Oil, Paint and Drug Reporter

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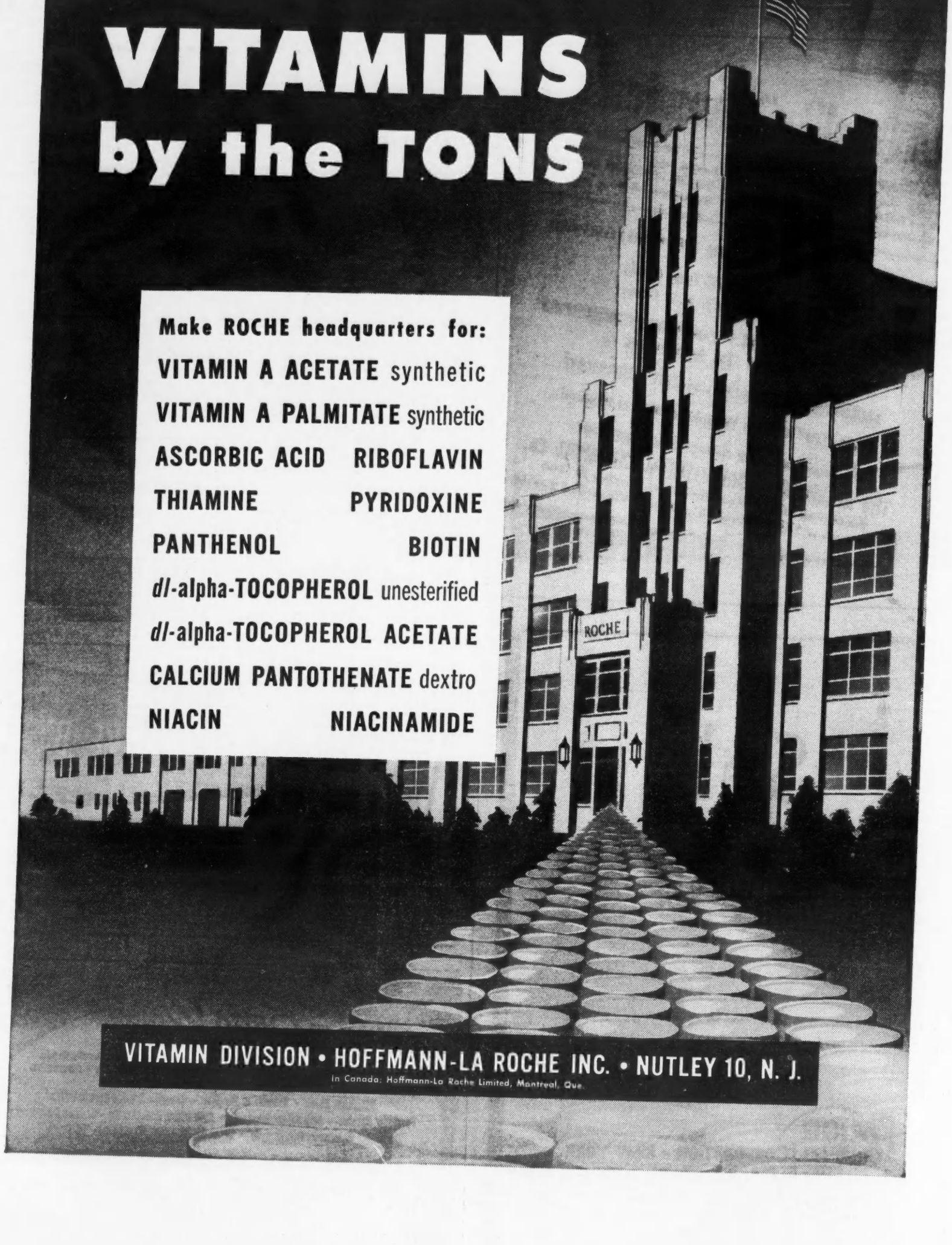

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Oil, Paint and Drug Reporter

Volume 158 No. 18 | 30 Church Street, New York 7, N. Y. | October 30, 1950

Aluminum Output Rise Under Study by NPA

A program of aluminum plant expansion that would add upwards of 1,000,000,000 pounds to the present capacity of the industry is being drawn up by the National Production Authority and the National Security Resources Board to meet requirements of the defense program and civilian needs.

As a more expedient measure of assuring sufficient supplies for immediate defense needs, NPA disclosed that plans are being drawn up which would cutback the amount of aluminum available for civilian consumption and indicated that this order may be forthcoming at an early date.

NPA officials said that the aluminum cutback may amount to 20 to 30 percent and added that similar reductions in civilian consumption may be ordered for nickel and copper. The use of cobalt may be limited entirely to national defense requirements, they said.

Other Developments

1. An order is being prepared to assure an equitable distribution of "DO" rated orders for aluminum by placing a limitation on the number of rated orders that any supplier is required to honor. A similar order is being prepared for copper. It follows the step that has been taken in connection with defense orders for steel.

2. Representative Emanuel Celler of New York announced that he has called off the proposed investigation by his monopoly committee of the plan of the Munitions Board to purchase aluminum from Canada to meet the stockpile needs.

Symington Confers with Producers

The expansion of aluminum capacity was discussed a considerable length October 23 by Stuart Symington, chairman of NSRB, with producers. Attending the conference were representatives of the Aluminum Company of America, the Reynolds Metals Company, the Kaiser Aluminum & Chemical Company and two new producers, the Harvey Machine Company and the Apex Smelting Company.

On October 25, representatives of the aluminum fabricating industry met with NPA officials to discuss methods of cutting civilian consumption to meet the needs of the defense program.

The proposed NPA regulation designed to distribute defense orders equitably among producers, fabricators, distributors and jobbers met with general approval. However, proposals for cutting back supplies for civilians met objections. The fabricators proposed that any necessary curbs on the use of aluminum be conducted by the industry on a voluntary basis.

Atlas Asks Reconsideration Of Proposed Bread Rules

Atlas Powder Company, Wilmington, Del., has filed a motion with the Federal Security Administrator to reopen the record incident to the proposed standard of identity for bread and other baked goods. The motion points out that the tentative findings discriminate against Atlas products because the FSA did not apply the same criteria, standards and tests to competitive types of emulsifying agents.

Antibiotics Rules Amended

The Federal Food and Drug Administration last week announced a number of changes in its regulations for the certification of antibiotics. The changes, which became effective with their publication in the *Federal Register* October 26, provided for:—

Changes in the sterility test for sodium penicillin and penicillin in oil and wax; changes in the potency test for penicillin tablets, crystalline penicillin for inhalation therapy, ephedrine penicillin, ephedrine penicillin tablets, aureomycin hydrochloride, aureomycin ointment, aureomycin troches, aureomycin capsules, aureomycin dental paste, chloramphenicol, bacitracin, bacitracin ointment, and bacitracin tablets; changes in the potency, pyrogens, and toxicity tests for procaine penicillin and procaine penicillin for aqueous injection; for a change in the term "unit" as applied to bacitracin, and for the certification of a new streptomycin product, streptomycin syrup.

Sulphur Export License Rules Tightened by OIT

The Office of International Trade tightened controls October 26 over the granting of licenses to export sulphur from the United States.

Applicants for export licenses must now give evidence of the availability of the material before such license will be granted. This requirement applies to sulphur in its crude form under schedule B 571,400 and sulphur that has been crushed, ground, refined, sublimed and sulphur flowers under schedule B 571,500.

Effective on the same date, the agency also reduced the dollar value limits for aluminum products that can be exported under general license to shipments of $100 or less.

UK Whale Oil Price For 1950-51 Indicated

The entire 1950-51 output of whale oil of the United Kingdom's largest whaling factory ship, the Balaena, has been sold on a forward basis to the British Ministry of Food, according to William Kling, assistant agricultural attache, American Embassy, London.

The agreed price for the oil is 100 pounds sterling ($280) per long ton. It is believed that since the sale involves the total production of the Balaena expedition (which produced nearly 45 percent of all the whale and sperm oil output of the three United Kingdom expeditions in the 1949-50 season) that the price may indicate the level at which other sales in 1950-51 will take place.

Chlorine Conference November 3; Sulphur Allocation Recommended

The supply and demand situation for chlorine, prospects of expansion of production, and whether allocation of the material should be attempted, are subjects that will be canvassed with members of the alkali-chlorine industry November 3 by officials of the National Production Authority.

Invitations were sent out last week by the NPA to fifteen members of the industry, including the members of the alkali-chlorine industry advisory committee of the Munitions Board, with the exception of the lone trade association member, asking their attendance at a conference in Washington on that date for a thorough discussion of the chlorine problem.

There is understood to be considerable sentiment among members of the industry for government allocation of chlorine supplies because demands being made upon suppliers are far outrunning available stocks. The government, however, desires that all avenues of possible voluntary action upon the part of suppliers to spread supplies evenly be explored before such controls are imposed.

Those who have been invited to the meeting are:—

A. B. Chadwick of the Solvay Division of Allied Chemical & Dye Corporation; L. I. Doan of Dow Chemical Company; W. I. Galliher of Columbia Chemical Division of Pittsburg Plate Glass Company; E. W. Haley of Southern Alkali Company; E. W. Fraley, jr., of Diamond Alkali Company; L. Neubery of Westvaco Chemical Division of Food Machinery & Chemical Corporation; Bert Comers of Wyandotte Chemicals Corporation; R. S. Roeller of Pennsylvania Salt Manufacturing Company; R. W. Hooker of Hooker Electro Chemical Company; L. E. Leppart of Mathieson Chemical Company; T. A. Haschke of Stauffer Chemical Company; S. W. Jacobs of Niagara Alkali Company; Charles Douglas of Arvey Corporation; Daniel Townsend of Fields Point Manufacturing Company, and W. C. Cannon of Frontier Chemical Company.

Sulphur Allocation Studied

In another field, NPA was urged to work out a plan for allocation of sulphur in order to conserve dwindling stocks for defense and essential uses. The suggestion was made at informal group meetings of producers and consumers with NPA officials October 24, where the whole sulphur problem was discussed.

It did not appear likely, however, that favorable action on the request would be forthcoming at an early date. A tightening of controls over exports by limiting the amount that can be shipped out of the country is expected to be the first action taken while suppliers are being encouraged to meet only the most essential uses first.

Stocks of sulphur have been receding in the face of increasing demands until now they are less than half the wartime peak of around 5,000,000 tons. Above

—Continued on page 74

NPA to Discuss Alcohol Needs with Industry Nov. 2

Representatives of fifteen alcohol producers have been invited to Washington November 2 by the National Production Authority for a discussion of the industrial alcohol problem in connection with the synthetic rubber and national defense programs.

The following have been invited to the meeting:—

William F. Reich, jr., of Carbide and Carbon Chemicals Corporation; James G. Park, of Enjay Company; L. V. Steck, of Shell Chemical Corporation; A. K. Hamilton, of Commercial Solvents Corporation; George T. Barnhill, jr., of E. I. du Pont de Nemours & Co.; Arnold R. Beinstein, Publicker Industries, Inc.; John L. Gillis, of Nealco-Monsanto; William P. Marsh, jr., of U. S. Industrial Chemicals, Inc.; R. E. Joyce, of National Distillers Products, Inc.; Carl J. Kiefer, of Schenley Industries, Inc.; H. F. Willkie, of James C. Seagram & Sons, Inc.; J. P. Van Winkle, of Stitzel-Weller Distillery; Carlton Healey, of Hiram Walker & Sons; D. M. O'Shaughnessy, of James Walsh & Co., and S. G. Stein, of Grain Processing Company.

Price Trend Fractionally Higher

Prices for most chemicals, oils and drugs were in firm position last week and the overall index number inched up 0.7 point. This was 12.2 points above that of last year.

New high-price records were established for sodium stannate and all other tin salts as a result of a sharp upward movement of the metal. Industrial demand for heavy chemicals remained active, with the chlorine shortage continuing to plague consumers. In the direction of agricultural chemicals, potassium muriate, sulphate and potassium magnesium sulphate were quoted at higher prices.

Oxyquinolin sulphate and the iodated hydroxyquinolin derivatives and chlorinated compounds were advanced, as were silver cyanide and nitrate. Industrial organics held firmly. Rutin and menthol were quoted at lower prices. Business in botanical drugs remained routine. There was a tendency toward price shading in the market for spices and flavoring materials. There were a number of increases in the market for essential oils and aromatic materials but they were not large and reflected the supply situation on the spot market.

Led by soybean and cottonseed oils, further advances were made in edible vegetable oils. Trading was moderate at the higher levels. Corn and peanut oils demand was reported spotty. Copra and cottonseed, palm, and fish oils were higher, as were Japan wax and lard. Crude beeswax was the sole reduction. There was little of new feature in the market for protective coatings. Dicyclohexylphthalate was advanced and imported casein reduced.

Price stability in the face of widespread shortages was the picture in the market for coaltar chemicals. Both basic products and intermediates were scarce and the feeling was that things would get worse before they got better.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Oct. 27, 1950	Oct. 20, 1950	Dec. 30, 1949	Oct. 28, 1949
138.2	137.5	124.8	126.0

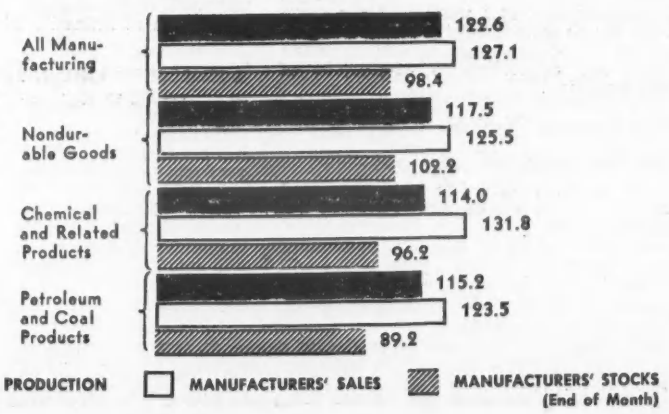
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	116.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	125.5
August	126.8	128.9	140.4	136.6	128.2
September	135.1	129.1	141.9	137.0	130.4
October	126.6	146.1	143.1	133.2	137.8

Business in July, 1950

100=Same Month in 1949



Vitamins A and D Label Rules Relaxed by FDA

Suppliers of products containing vitamins A and D are no longer required to state the source of these vitamins on the labels of their products, according to informal opinions of the Food and Drug Administration.

As a result of recent discussions with officials of the agency, the American Drug Manufacturers Association has advised its members that the reference to the source of the vitamins is no longer necessary because the United States Pharmacopoeia XIV includes the synthetic forms of vitamins A and D.

Amortization Order Today

Regulations covering the administration of the five-year amortization provisions of the 1950 revenue act were scheduled for issuance today (Monday) by the National Security Resources Board. Under the new tax law, the chairman of the board is authorized to "certify" those emergency facilities built for the defense program which can be amortized over a sixty-month period for taxation purposes.

AEC Gets New Manager

Marion W. Boyer, vice-president in charge of manufacturing of Esso Standard Oil Company, was named general manager of the Atomic Energy Commission October 25. He will take over the duties November 1, succeeding Carroll Wilson.

NPA Authorizes 'DO' Ratings For Petroleum, Food Containers

The Department of Defense and the Atomic Energy Commission have been given authority by the National Production Authority to issue "DO" ratings to secure containers, packaging, and chemicals needed to fill defense contracts for petroleum and food.

The authority was contained in "Interpretation No. 1" of NPA regulations 2, the priorities regulation. The interpretation was issued October 24, but was made retroactive to October 20.

Issuance of the interpretation became necessary because priorities regulation No. 2 does not permit the assignment of ratings to petroleum and food. That raised the question whether the prohibition extended to the containers and the chemicals which go into the processing of these products.

The interpretation makes it clear that the Department of Defense and the Atomic Energy Commission may assign to their suppliers of petroleum and food the right to apply "DO" ratings as follows:—(1) To secure the drums, cans, and other containers and packaging required for the delivery of petroleum and food; and (2) to secure chemicals required for use, either directly in the production of, or in processing the petroleum or food, and which will be consumed or converted into byproducts in the course of the procedure.

The "DO" ratings, in the case of the chemicals referred to in the "interpretation," are expected to be applied to phenol and soda ash for aviation gasoline. The "DO" ratings may be used only to secure the minimum quantities of containers, packaging, or chemicals required to fill such defense orders.

The following illustrations explain the permitted use of "DO" ratings in securing containers, packaging and chemicals required in filling defense contracts for petroleum and food.

For Containers and Packaging

The Department of the Army places an order with a supplier for 100 barrels of flour, which is a food product and is not covered by the priorities regulation. An authorized army representative may, however, assign to the supplier the right to apply a "DO" rating to secure the packages or containers required for the delivery of the 100 barrels of flour.

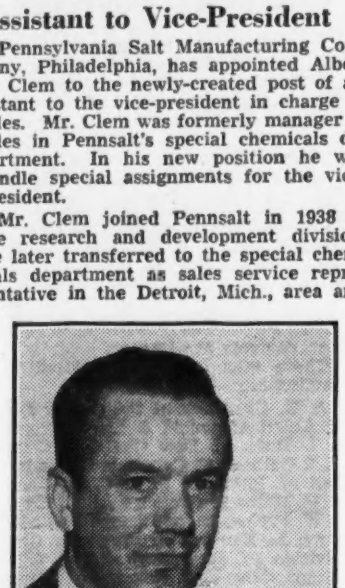
For Chemicals

The Department of the Air Forces places an order with a refining company for 100 cans of lubricating oil, which is a petroleum product and is not covered by the priorities regulation. The refining company requires two types of chemicals to be used in filling the order—one to be used directly in the production of the oil, and another which will be consumed or converted into byproducts while the oil is being processed. An authorized representative of the air forces may assign to the refining company the right to apply "DO" ratings to secure the required chemicals.

Pennsalt Names A.H. Clem Assistant to Vice-President

Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Albert H. Clem to the newly-created post of assistant to the vice-president in charge of sales. Mr. Clem was formerly manager of sales in Pennsalt's special chemicals department. In his new position he will handle special assignments for the vice-president.

Mr. Clem joined Pennsalt in 1938 in the research and development division. He later transferred to the special chemicals department as sales service representative in the Detroit, Mich., area and



Albert H. Clem

was subsequently product supervisor of Pennsalt cleaners before becoming assistant manager of the department.

At the same time the company announced two other appointments and the opening of a new West Coast office at Berkeley, Calif. Horace F. McIntyre, formerly Philadelphia district sales manager for the special chemicals department, was made product supervisor in that department. John M. Davidson, formerly a sales service representative in the Pittsburgh, Pa., district, was named Philadelphia district sales manager.

The new Pennsalt West Coast sales office is located in the Woolsey Building, 2168 Shattuck avenue, Berkeley, Calif. Making their headquarters at the new office will be R. A. Snyder, who will do technical sales service work for metal and maintenance cleaners in California industries, and J. Cameron Siddall, who will handle technical sales and service for agriculture in California, Arizona and New Mexico.

Celanese Starts Up Acetate Fiber Production in Mexico

Celanese Mexicana, S. A., has begun production of acetate staple fiber at its plant in Ocotlan, Jalisco, Mexico, the company has announced. Output initially may run as high as 5,500,000 pounds per year. Acetate staple fiber is used by itself as well as in blends with other synthetic staple fibers or with cotton, using the same machinery now existing in cotton mills.

Goodwin Appointed to Head Defense Manpower Office

Robert C. Goodwin, director of the Bureau of Employment Security of the Department of Labor, has been placed in charge of the newly established Office of Defense Manpower by the Secretary of Labor. Mr. Goodwin has the title of Special Assistant to the Secretary and Executive Director of ODM.

Jersey Standard Elects J. Crane Vice-President

Standard Oil Company (New Jersey), New York, has elected Jay E. Crane, a director of the concern, to the post of vice-president. The move follows the retirement of R. T. Haslam as a director and vice-president of the company.

DuPont Acquires Second South Carolina Plant Site

E. I. du Pont de Nemours & Co., Wilmington, Del., has announced that it will exercise its option for the purchase of a 900-acre site on the Pee Wee River at Winona, S. C., the second tract acquired by the concern in that state. On October 6 a plant for the manufacture of "Orlon" acrylic fiber was dedicated on an 800-acre site at Camden, S. C. The company stated that plans for use of the Winona tract have not yet been formed.

Int'l Minerals to Produce Uranium in Fla. for AEC

International Minerals & Chemical Corporation, Chicago, is planning to produce uranium for the Atomic Energy Commission from its phosphate ores in Florida, it was revealed at the company's annual meeting last week. At the same time, it was stated that the concern is preparing a two-for-one split of its common stock and approximately $10,000,000 of new financing.

Mathieson Names Wojcik To Petrochemical Post

Dr. B. H. Wojcik has been appointed associate director of petro-chemical research at Mathieson Chemical Corporation, Baltimore, Md., according to director of research L. Kermit Herndon. He will make his headquarters at the concern's Niagara Falls, N. Y., research laboratories.

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National Lead Director

Alfred H. Drewes has been named a director and member of the executive committee of National Lead Company, New York. Mr. Drewes is assistant to the president of the concern, a director of Baker Castor Oil Company and of Titanium Metals Corporation of America. He has been with National Lead for fifteen years, holding various positions during that time in the accounting, auditing and administrative operations of the company.

Atlas Powder to Increase Sorbitol Production in '51

The Atlas Powder Company has announced plans to double its present sorbitol manufacturing facilities near Wilmington, Del., with new production of the chemical expected to be available early next Fall. The company stated that the projected expansion fits into the nation's preparedness program, since sorbitol, listed as a strategic material by the Munitions Board, is one of the polyols currently in critical supply.

Dow Chemical's New 'Styron' Plant Under Construction

Dow Chemical Company, Midland, Mich., has started construction on a new plant near New London, Conn., for the manufacture of "Styron," plastic. The eighty-acre site of the new plant is located on the Thames river and Dow plans to ship some raw materials directly from their Texas Division via water route. It is expected that the plant will be completed in about a year.

Pfizer Appoints Two Antibiotic District Mgrs.

Chas. Pfizer & Co., Brooklyn, N. Y., has appointed Charles A. Kapp western district manager of its antibiotic division. Mr. Kapp, who will make his headquarters in San Francisco, Calif., will supervise Pfizer professional service representatives in Washington, Oregon, Utah, Arizona and California. At the same time, the concern announced the appointment of Carl E. Lotz to the post of antibiotic manager in the New York metropolitan district.

American Potash Advances 'Trona' Lithium Concentrate

Due to increased production and packaging costs, the American Potash & Chemical Corporation has announced an increase in price on "Trona" lithium concentrate effective November 1. The new price is $9 per unit (or percent) Li_2O, and amounts to approximately a 10 percent increase. "Trona" lithium concentrate is one of the principal raw materials employed in the production of refined lithium compounds.

Tennessee Corp. Building New Zinc Products Plant

Tennessee Corporation, Atlanta, Ga., has announced construction of a new zinc products plant. The unit, which will be primarily engaged in the manufacture of "Nu-Z," Tennessee's neutral zinc compound containing 55 percent metallic zinc, is scheduled to get into production within two months. It is expected by the company that "Nu-Z" will largely serve as a replacement for zinc sulphate.

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Wage Hearings Nov. 28

The wage-hour and public contracts division of the Department of Labor has scheduled hearings for November 28 on a modification of the present 75-cents-an-hour minimum wage determination for employment in the small arms ammunition, explosives and related products industries on government contracts let under the Walsh-Healey public contracts act.

Pfizer New Antibiotics Bared to N. Y. AIChE

Charles Pfizer & Co., Brooklyn, N. Y., has developed two new antibiotics, John E. McKeen, president of the concern, revealed in a talk last week before the New York section of the American Institute of Chemical Engineers. Speaking on "The Functions of Management," he stated that the new drugs, called Netropsin and Thiolutin, may have industrial applications as well as medical uses.

Preliminary tests on Thiolutin, Mr. McKeen said, indicate that it may be effective in combating fungi. Netropsin has shown promise as an insecticide, particularly against clothes moths and carpet beetles. Mr. McKeen pointed out that the two new discoveries bring to a total of four the new antibiotics developed by Pfizer within the past year. Terramycin, which is finding an increasing range of uses against disease, was introduced last Winter, and Viomycin, which was developed a little earlier, is currently being tested as a specific against tuberculosis.

Other speakers on the program, which took the form of a management symposium, included Robert L. Gibson, assistant general manager of the chemical department of General Electric Company; George B. Corless, executive development adviser of Esso Standard Oil Company (New Jersey), and William P. Witherow, president of Blaw-Knox Company. Dr. Robert E. Wilson, chairman of the board of Standard Oil Company of Indiana, was the speaker at the institute's dinner.

Mr. Gibson, talking on "The Organization of a Chemical Company," illustrated his discussion with examples taken from the reorganization and reconstruction of GE's chemical division. Mr. Corless, who dealt with "Executive Development," demonstrated the practical use of charts made by Jersey Standard in developing executives. Mr. Witherow, who took as his topic "Industrial Human Relations," pointed out the needs of management to continue studying the problem of better relations between management and personnel. Dr. Wilson, speaking on "Strategy for True Liberals," outlined a twelve-point program for combating the growing menace of government controls.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Asbestos waste, containing long fibres, Barcelona, Spain (GJ-8).

Caustic soda, Fortaleza, Brazil (GJ-3).

Chemicals, industrial, Sao Paulo, Brazil (GJ-2).

China clay, Bangalore, India (GJ-7).

Dyes, Fortaleza, Brazil (GJ-4); Cairo, Egypt (GJ-6, exclusive agency).

Fertilizer, Cairo, Egypt (GJ-6, exclusive agency).

Oil, industrial and automotive, Rio de Janeiro, Brazil (GJ-5).

Pharmaceutical products, Rio de Janeiro, Brazil (GJ-5).

Plastic waste, Halmstad, Sweden (GJ-9).

Sodium bichromate, Bento Goncalves, Brazil (GJ-1).

Sodium sulphite and bisulphite, Bento Goncalves, Brazil (GJ-1).

Tanning materials, Bento Goncalves, Brazil (GJ-1).

P.A.'s-Eye View of Business

Composite view, October 29, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

Purchasing executives report that October, for the second consecutive month, recorded a slowing down in the pressure to book new orders. Further growth of future production commitments is reported by only 33 per cent, compared to the top of 80 percent in August; 52 percent continued to maintain their high level of bookings, while 15 percent report some liquidation of the peak back-order position. New military business increased during the month, but the volume was not sufficient to cover the decline of new civilian orders.

Production trends, which usually lag behind the trend of new orders, turned down in October. Increased production was reported by 45 percent, compared to 72 percent in August and 65 percent in September. In the heaviest swing since March, 10 percent report lower production. The trend is being influenced by seasonal conditions, shortages of materials, and a smattering of small strikes throughout the country. So far, priority orders have not had much impact on industrial schedules. They are largely concentrated in the metals and metalworking industries.

Prices continued the inflationary trend, but the force seems to be declining. Industrial inventories were down again. Employment is leveling off at the high rate of the year. Buying policy is unchanged, being scheduled to cover only planned requirements.

Purchasing agents, endeavoring to weigh the effects of continued government stockpiling of critical materials, the use of priorities and credit restrictions, are extremely cautious in forecasting conditions for the immediate future.

Commodity Prices

The price structure continues to climb, but the movement is slower. Principal increases were in manufactured goods, as raw materials have not moved appreciably during October. Escalator clauses are becoming more common. No reduction is reported in the premium prices being exacted for aluminum, copper, zinc, nickel, and steel. Easing in these galloping markets may be near, however, as the force of credit limitations reaches back to the point of production.

Inventories

Industrial inventories went substantially lower in October—in many instances, below safe operating stocks. Slow and extended deliveries of critical materials have put many industrial consumers on a day-to-day basis and are causing increasing maladjustments in inventories. Expediting is now a major function of purchasing. Conversion to substitutes is reported risky; for today's substitute may become tomorrow's critical item.

Employment

The overall picture shows continuing high employment. Payrolls appear to be leveling off at the top rate of August. Skilled workers are hard to find. There is some shifting into defense factories. Some relief can be expected as agricultural workers move into industry this winter. Where materials are available, many plants are increasing the workweek.

Buying Policy

There has been no change in buying policy during the past month. Seventy percent are able to keep their principal buying range within ninety days. The other 30 percent are predominantly on a four-month schedule, with a few going on up to six months. Very few have had to reduce or cancel orders to bring inventory and commitments within the limits prescribed by NPA. Buyers are critical of suppliers who, having established voluntary allotments, are insisting on reducing

—*Continued on page 75*

Washington Talks It Over

By Ralph L. Cherry

The Minerals and Energy Administration has been having more than its share of organization troubles and, as matters now stand, it looks like Secretary Chapman will have to handle the chores of this agency along with his other job of running the Interior department. This has all come about because the industries that have been assigned to Interior in the defense-production-control setup, just won't stand for having too many bosses between them and the top man.

When MEA was first established on paper it was to have four units, handling petroleum, coal, metals, and electric power, with an administrator sitting at the top to coordinate the work of the units. He would handle most of the paper and policy work of the agency, leaving to Mr. Chapman only those decisions which were too hot for the administrator to handle. The probabilities were that Assistant-Secretary "Jebbie" Davidson would be the administrator.

The petroleum industry was the first to let out a howl when this news got out. Its leaders said that oil was too important a commodity in war or peace to be so far removed from the bossmen. Mr. Davidson might be a good administrator, but not being intimately associated with the oil industry, the oil leaders insisted that he wasn't qualified to screen the questions that required Mr. Chapman's personal attention.

Mr. Chapman yielded to the pressure and announced that the plans have been changed and the oil industry will report directly to him. Immediately when this announcement was made, it was the signal for the pressure groups in other industries to get the same privileges bestowed upon them. The next to be awarded the right of direct contact with Mr. Chapman was the electric energy industry. Now the coal industry is going to be accorded this privilege, and so will the metals industry.

Mr. Chapman isn't fooled by this sudden appearance of popularity. He knows that each industry is jockeying for position, in the belief that its problems are the most important and should be passed on only by the final authority. Mr. Chapman figures that the only way to keep peace is to take over the job of MEA administrator himself. Besides, he wants each of the four units or authorities to be headed by a top man from industry,

—*Continued on page 34*

Murray Oil Products Co. To Merge With Subsidiary

Murray Oil Products Company, Philadelphia, Pa., will merge with its subsidiary company, the Industrial Oil Products Corporation of Los Angeles, on November 1. The consolidated concern will be known as the Industrial Oil Products Corporation of Philadelphia.

Murray Oil Products was organized thirty years ago by Fred E. Loud, and the Industrial Oil Products Corporation was formed six years later. The same officers will serve the new corporation as have served the two corporations in the past. In addition to Mr. Fred Loud, who is president, they are:—Warren E. Loud, vice-president, who operates out of the West Coast office; Daniel A. Copenhaver, vice-president and general manager, with headquarters on the West Coast, and Reginald C. Rollins, vice-president, who operates out of the Philadelphia office.

Solvay Appoints Drew Alkali Purchasing Agent

The Solvay Process Division, Allied Chemical & Dye Corporation, New York, has named E. C. Drew purchasing agent and H. J. Forth assistant to the purchasing agent in the concern's alkali section.

Mr. Drew has been a member of the Solvay purchasing department since 1942, having had previous purchasing and engineering experience with several construction firms in the Boston area. Mr. Forth has been part of Solvay's purchasing department for the past four years. He previously worked for Carrier Corporation and in the purchasing department of General Electric Company.

Ethyl Corp. Now Erecting New Los Angeles Offices

Ethyl Corporation, New York, is currently erecting a new two-story office building in Los Angeles, Calif., to house its western region offices, the company has announced. The new structure, scheduled to be ready for occupancy next Spring, will be at the corner of Miramar street and Huntley drive, about one-half mile from Ethyl's former building, which was razed early this year to make way for the new Los Angeles Harbor Freeway. Ethyl's western region is at present occupying space in the Continental building at 408 South Spring street in Los Angeles.

Armour & Co. Promotion To Hays; 3 More Named

Armour & Co., Chicago, Ill., has named Dr. Edwin E. Hays assistant general manager and director of research of the concern's research division. In addition, the company announced the appointments of Dr. J. D. Porsche as director of research and development at the Armour 31st street auxiliaries; Dr. James B. Lesh as director of biochemical research, succeeding Dr. Hays, and Myron D. Grossnickle as assistant to Dr. Lesh.

Merck Names Connor To Vice-Presidency

Merck & Co., Rahway, N. J., has named John T. Connor vice-president of the concern. Mr. Connor will continue as secretary and counsel of the company in addition to his new duties. Prior to coming with Merck in 1947, he was special assistant to Secretary of Navy James Forrestal. He was also general counsel of the Office of Scientific Research and Development before going on active duty in 1944.

Freight Car Program Given NPA Sanction

A program for the building of 30,000 new freight cars, including 2,000 new tankcars for the chemical and petroleum industries, during the first quarter of 1951 was approved by the National Production Authority October 26, as the agency stepped up the tempo of official activity under the National Production Act.

The tankcar program is "about in line" with the recommendations that had been made to the agency by the chemical and petroleum industry, and figures out to between 600 and 700 new tankcars of both the low pressure and high pressure types monthly, which is about the capacity of the tankcar building industry.

The remaining 8,000 new freight cars monthly, for which steel is to be allotted by NPA, includes cars of all other types —refrigerator, hopper, box, flat, etc.—and is somewhat less than had been proposed in the program recommended by the Defense Transport Administration. This agency had recommended the building of slightly more than 10,000 freight cars monthly, exclusive of the privately owned cars such as tankcars and refrigerator cars.

Steel Order Insures Program

NPA acted to insure the building of the new freight cars in an order providing for issuance of directives to steel products to honor certified orders for the steel needed for the program. Directives will be issued covering approximately 310,000 tons of steel products per month. The steel also will be available for repair and maintenance of used cars.

NPA also took two other important actions during the week. It issued an amendment to Order M-1, which sets forth specific rules for placing, accepting and scheduling of orders for steel products, so as to provide for the production and delivery of steel for other programs, such as steel for the petroleum industry, and steel for mining and agricultural machinery.

It also placed a ban, effective midnight, October 26, on the construction of new buildings for amusement, recreational or entertainment purposes. The prohibition applies to construction of a type which does not further the defense effort, either directly or indirectly. Thus recreational facilities which are part of a defense plant would not be affected.

McCormick Appoints Five Advisory Council Members

McCormick & Co., Baltimore, Md., has appointed five men not actively associated with the organization to its advisory council. Purpose of the council is to assist the concern in formulating and discharging plans, policies and management of the corporation.

Those appointed to the council are:—G. C. A. Anderson, head of Anderson & Barnes, Baltimore law firm; Chester O. Fischer, vice-president of the Massachusetts Mutual Life Insurance Company, Springfield, Mass.; Charles S. Garland, partner in Alexander Brown & Sons, Baltimore investment bankers; William L. McGrath, president of the Williamson Heater Company, Cincinnati, Ohio, and Senator Herbert R. O'Connor of Maryland.

Monsanto Development Post In West to C.D. Thurmond

Charles D. Thurmond has been appointed assistant development director of Monsanto Chemical Company's western division, with headquarters in Seattle, Wash., effective November 1. Mr. Thurmond is at present a member of the sales staff of the company's San Francisco, Calif., office. He joined Monsanto in 1944 as a member of the development department, organic chemicals division, at St. Louis. He has been with the San Francisco office since 1946.

Celanese Elects Three

Celanese Corporation of America, New York, has elected three new vice-presidents of the concern. Emery N. Cleaves was named vice-president in charge of public relations; Edward R. Allan was appointed vice-president in charge of labor relations, and H. E. Martin was made vice-president in charge of the cellulose acetate division.

Lever Appoints Underwood

Lever Brothers Company has appointed Raymond F. Underwood vice-president and general sales manager of the concern's Pepsodent Division. Mr. Underwood, who will take over his new duties on November 6, will operate out of Lever's headquarters offices in New York.

ISOSTYRE*

is now available to manufacturers of

ENAMELS, CLEAR VARNISHES
SHELLAC SUBSTITUTES, FLOOR SEALERS

who want their products to possess Color and Gloss Retention of a quality heretofore unknown in the Paint Industry

We're sorry we couldn't print this advertisement in glowing red – because for us Isostyre marks a red letter day. For, after experimentation, testing and re-testing, we now have Isostyre in commercial production.

We could tell you about gloss and color retention, rapid dry, waterproofness, alcohol and alkali resistance, durability, hard and flexible film – plus the additional amazing properties of our new and exciting advance in chemistry.

But since we couldn't red letter the advertisement – we're being conservative and only listing the characteristics of Isostyre.

The rest is up to your own imagination, and your desire to improve your product.

Read the list carefully – and compare Isostyre to any product you are presently using. Then, if you (yourself) are interested in using Isostyre – let us know so we can send you further details and samples of Isostyre for your own testing.

We have reason to believe that using Isostyre will enable you to produce coatings of quality never made before in the Paint Industry. After testing Isostyre yourself, we think you'll agree.

* ISOSTYRE (Reg.) is a Styrenated Dehydrated Castor Oil which will provide your products with unique characteristics.

REACTIVITY
Isostyre is non-reactive in the presence of basic pigments such as zinc oxide. Thus zinc oxide may be used in whites without loss of gloss.

STABILITY
Isostyre may be used in all types of enamels without fear of viscosity changes. A point of superiority over other styrenated products.

SPEED OF DRY
A film of Isostyre one mil thick (dry basis) will air dry tack free in 30 minutes, hard dry in 50-60 minutes or bake out at 200° F. in 45 minutes. Isostyre can be recoated after over-night dry without "pick-up".

MINERAL SPIRITS TOLERANCE
Isostyre can be reduced 400% with Mineral Spirits.

DURABILITY
Isostyre has durability approximately equal to that of a medium length alkyd resin.

HARDNESS
Gloss enamels formulated with Isostyre will air dry (in 24 hours) to films of sward hardness of 40.

BRUSHING
Isostyre, like alkyd resins, has somewhat harder brushing properties than many oleoresinous varnishes. This problem can usually be overcome by pigmentation and choice of solvents.

COLOR RETENTION
Isostyre has been proven superior to other stryrenated oils currently available and is comparable to that of high quality Soya Alkyd and D. C. O. resins.

USE OF DRIER
Isostyre will dry rapidly in the absence of drier. However, a small amount of Cobalt (0.03%) as naphthenate will effectively improve the dry and correct any tendency to forming a wrinkle film. No other drier should be used.

SOLVENT RESISTANCE
Isostyre will soften in contact with common solvents but recovers completely in a short time.

After extensive testing and with the experience of two years of manufacturing in our Canadian plant – ISOSTYRE is now in commercial production in our recently completed plant at Harrison, New Jersey. It is now available to you in quantity. Please call on us for information and samples – Isostyre will improve your products.

WOBURN CHEMICAL CORP. (N.J.)

WOBURN dependable PRODUCTS

FATTY ACIDS, SPLIT AND DISTILLED
CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW
SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

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Association Meetings

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Drug Manufacturers Association, research and development section, Homestead, Hot Springs, Va., November 9-10; Greenbriar, White Sulphur Springs, W. Va., April 30-May 3, 1951; Homestead, Hot Springs, Va., April 28-May 1, 1952.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 27-29; Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

American Standards Association, national standardization conference, Waldorf-Astoria hotel, New York, November 27-29.

BIMS of New York, annual dinner, New York Athletic Club, New York, January 25, 1951.

Chemical Bureau Alumni Association of the War Production Board, Lexington hotel, New York, November 1.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

National Fertilizer Association, Edgewater Gulf hotel, Gulfport, Miss., Nov. 13-15.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Pest Control Association, Netherland Plaza hotel, Cincinnati, October 23-25.

National Wholesale Druggist's Association, annual meeting, Shamrock hotel, Houston, Tex., October 13 to 18, 1951.

Plant Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Proprietary Association, annual meeting, Biltmore hotel, New York, May 14 to 16, 1951; annual meeting, Greenbriar hotel, White Sulphur Springs, W. Va., May 22 to 24, 1952.

Public Relations Society of America, Waldorf-Astoria hotel, New York, December 3-6.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 5.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, November 8; annual meeting, Commodore hotel, New York, December 13.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 6.

Packaging Institute Elects Kendall to Succeed Barr

Charles O. Kendall, director of product planning for E. R. Squibb & Sons, was elected president of the Packaging Institute at its twelfth annual forum, held in the Commodore hotel, New York, October 23 through 25. He succeeded Charles L. Barr of the F. B. Readington Company.

Elected as vice-presidents were Robert De. S. Couch of General Foods Corporation and Henry W. Stevens of Benjamin C. Betner Company. Dr. Laurence V. Burton was reappointed executive director of the institute.

New members of the board of directors are E. H. Bolkema, Colgate-Palmolive-Peet Company; H. C. Baker, Hudson Sharp Machine Company; W. E. Daley, New Haven Pulp & Board Corporation; T. A. Torrence, Aluminum Company of America, and Mr. Kendall and Mr. Barr.

DCAT Slates 25th Annual Dinner at Waldorf March 8

The Drug, Chemical and Allied Trades Section of the New York Board of Trade will hold its twenty-fifth annual dinner March 8, 1951, at the Waldorf-Astoria hotel in that city. At the same time, the organization also announced the makeup of the committee on location in connection with DCAT's sixty-first annual meeting and election to be held next September.

The appointees are:—Chairman, Harold M. Altshul, Ketchum & Co.; Harold C. Green, L. Sonneborn Sons, Inc., and Charles M. Macauley, Pro-phy-lac-tic Brush Company. For the past four years the DCAT annual meetings have been held at Shawnee Inn, Shawnee-on-Delaware, Pa., but due to a capacity attendance this year, the executive committee at its meeting on October 19 voted to investigate other possible locations.

USP Dosage Panel Urged by Drug Group

A USP Panel set up to study and report on the problem of establishing a limitation on the size of multiple dose containers for intravenous solution was urged by the Combined Pharmaceutical Contact Committee last week to recommend against a return to the ten-dose ceiling that was contained in the Pharmacopoeia and suspended during World War II.

At a two-day meeting, held at the Washington hotel, Washington, D. C., October 23 and 24, the committee approved a report of its subcommittee proposing that the size of the containers be dealt with in the monograph for the particular drug involved and in that way permit the use of the multiple dose size container that is the most efficient for the purposes intended.

Injections Section Revision

The committee proposed a revision of the section on injections in USP XIV so as to provide that single-dose containers must be used for all injections intended for intraspinal, intracisternal, or intracardial administration, unless otherwise specified in an individual monograph; that multiple dose containers be used for injections intended for intramuscular, subcutaneous, intracutaneous, or intravenous administration. Whenever necessary, either the number of doses or the total volume in one container would be limited in the individual monograph.

The problem of multiple dose containers for injection drug items has been a controversial point between the medical profession and the drug manufacturers for a number of years. In the USP prior to World War II, the size of multiple dose containers was limited to ten doses, which are too few in many instances. When World War II broke out, and there was need for large amounts of intravenous solutions by the armed services, the limitation was suspended. In the latest revision of the USP, provision was made for re-establishing the ten-dose limitation, but it has again been suspended.

During this latest suspension, the problem will be studied by a joint panel composed of representatives of the USP, the National Formulary and the contact committee. Studies thus far made show that some thirty-six drug manufacturers market thirty USP products, the packaging of which in one way or another exceeds the limitation of ten USP doses.

In addition to the multiple dose container problem, the contact committee also received reports on a number of other subjects that have been under study by its committees. One of these reports recommended a change in the USP XIV monograph on "synthetic Oleovitamin D" so as to make clear that this monograph is not intended to exclude pure, crystalline calciferol. Discussion also was made on the question of glycerin and its possible replacement in USP and NF preparations.

Textile Research Institute To Meet November 16-18

The Textile Research Institute will hold its twenty-first annual meeting November 16 to 18 at the Waldorf-Astoria hotel, New York, and at the Princeton, N. J., laboratories of the institute.

The technical session will be held November 16 at the Waldorf-Astoria. Guest speaker at the luncheon meeting will be J. B. Speakman, professor of textile industries, Leeds University, Leeds, England, who will talk on "The Plasticity of Wool—Its Theoretical and Practical Significance."

The general session will take place on November 17 at the Waldorf. A symposium on performance and serviceability of fabrics will be the feature of this session. In addition to a report by the institute president, A. G. Ashcroft, director of research, Alexander Smith & Son Carpet Company, the assemblage will hear a talk entitled, "From Adam to Atom," by Floyd W. Jefferson, sr., co-chairman of the board of directors, Iselin-Jefferson Company.

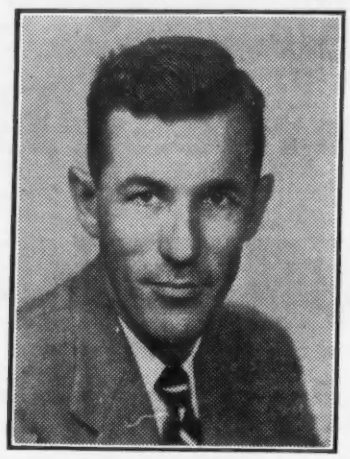
Activities on November 18 will be in the form of an open house at the institute's Princeton, N. J., laboratories.

Cortisone, ACTH Work Nets Three Nobel Prize

The 1950 Nobel Prize for Medicine was awarded last week to two Americans and one Swiss for their work on cortisone and ACTH hormones.

The winners are Dr. Edward C. Kendall, chief of the biochemistry laboratory of the Mayo Clinic, Rochester, Minn.; Dr. Philip S. Hench, head of a Mayo Clinic medical section, and Dr. Tadeusz Reichstein, professor of chemistry in the University of Basel, Switzerland. They will share prize money of 164,303 crowns ($31,715).

Arnold, Hoffman Manager



Dwight L. Turner has been appointed southern sales manager of Arnold, Hoffman & Co., W. Chester Cobb, vice-president in charge of sales, has announced. Mr. Turner succeeds Mr. Cobb, who is transferring to the company's headquarters in Providence, R. I. In his new post Mr. Turner will be located at Arnold, Hoffman's southern headquarters at 2130 North Tryon street, Charlotte, N. C.

SAACI Names Seven Man Nominating Committee

Philip J. LoBue, of the New York firm of that name, was elected chairman of the nominating committee of the Salesmen's Association of the American Chemical Industry, at the annual meeting of the organization held in the Roosevelt hotel, New York, October 24. Other members of the committee are as follows:—

George F. Smith, of the company of that name; J. H. R. Stephenson, Givaudan-Delawanna, Inc.; Edward S. Burke, Edward S. Burke Company; Edward L. Collins, Chilean Nitrate Sales Corporation; Herbert S. Cottrell, Innis, Speiden & Co., and N. W. Wyatt, Westvaco Chemicals Division of Food Machinery & Chemical Corporation.

The entertainment part of the program was supplied by the special functions committee, under Jerome F. McGinty of Millmaster Chemical Company, which presented a revue featuring members of the association.

NPVLA President Invites Non-Members to Convention

Joseph F. Battley, president of the National Paint, Varnish and Lacquer Association, has issued an invitation to non-members to attend the organization's sixty-second annual convention to be held November 15 to 18 at the Fairmont hotel, San Francisco, Calif. Mr. Battley stated that the meeting, which has on its program several nationally known speakers, holds so much interest for manufacturers and suppliers that all should have an opportunity to attend. Registration should be made with NPVLA convention housing bureau, 200 Civic Auditorium, San Francisco. Hotel accommodations will be arranged. Time of arrival and departure must be stated, accompanied with a deposit of $10 per room.

NFA Research Committee To Hear Gramlich Tonight

The plant food research committee of the National Fertilizer Association, which will hold its annual banquet tonight at the Gibson hotel, Cincinnati, Ohio, will hear H. J. Gramlich, general agricultural agent, of Chicago & North Western Railway System. Mr. Gramlich will speak on "These Fifty Years."

FWDA Reelects Officers

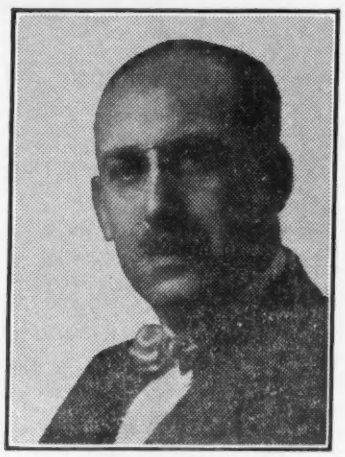
All officers of the Federal Wholesale Druggists' Association were reelected for another term at the organization's thirty-fifth annual convention held at The Greenbrier, White Sulphur Springs, October 22 to 25.

They are:—President, Reg Cary, Drug Trading Company, Ltd., Toronto, Canada; vice-president, Russell T. Blackwood, jr., Philadelphia Wholesale Drug Company, Philadelphia, Pa.; treasurer, Georoge A. Raab, Providence Wholesale Drug Company, Providence, R. I., and executive secretary, Ray C. Schlotterer, New York.

Consulting Chemists Get Public Relations Advice

Consultants in the chemical field were given advice and lessons in the desirability and practicability of developing public relations in an address by Paul B. Slawter, jr., vice-president of the House of J. Hayden Twiss at the annual meeting of the Association of Consulting Chemists and Chemical Engineers, October 24 in New York.

Public relations, as Mr. Slawter conceived the term, include "the formulation and maintenance of policies designed to win and hold the goodwill of the groups—or "publics"—important to an enterprise, and the carrying to these groups, through advertising, publicity and personal contact, the story of these policies." He urged the use of twentieth century methods in that conveyance of the consultant's part in the industrial scheme. He considered that undertaking more a job for the association than for the individual. As methods he suggested full-page "sermons," public speaking by representatives of the association, more contact with the



Erwin Di Cyan
New ACCCE President

public in association meetings. "Key all your public relations efforts to preserve your professional integrity," he said. "Keep it in tune with your customs, ethics, and thinking—but, make sure before you overrule the idea that your customs, ethics, and thinking are up to date."

Evaluation by Clients

A survey conducted by Mr. Slawter, covering in its returns 186 large concerns in the chemical and related processing industries, showed that 94 percent of the companies at least occasionally engaged the services of consultants in chemistry and chemical engineering. The employment

—Continued on page 74

N.Y.AIC Schedules Atom Talks Nov. 10

The New York chapter of the American Institute of Chemists will hold its next meeting dinner November 10 at 6:30 p.m. at the Downtown Athletic Club in that city. Guest speakers will be Dr. Kenneth S. Pitzer, director of the Atomic Energy Commission's division of research, and Dr. William L. Laurence, science writer of *The New York Times*. Dr. Pitzer will discuss "Chemistry and Physics Starting One Millisecond After an Atomic Explosion," while Dr. Laurence will talk on "The Atomic Bomb."

WPB Chemical Bureau Party Reservations Urged

Frank Bennett, of Publicker Industries, Inc., and chairman of the committee handling arrangements for the November 1 cocktail party sponsored by the Chemical Bureau Alumni Association of the War Production Board, last week issued a call for reservations to all people planning on attending the affair. The party will be held at the Lexington hotel, New York.

Tung Oil Ass'n Reelects O'Conner to Presidency

The American Tung oil Association at its recent meeting in Biloxi, Miss., reelected Thomas O'Conner, of Milton, Mass., president of the organization. Other officers elected were:—Vice-president, Pat Harrison, jr., of Gulfport, Miss.; second vice-president, E. V. Dunbar, of Atlanta, Ga., and treasurer, Mrs. Edward Dunn, of Picayune, Miss.

can these Baker AMMONIUM THIOCYANATE features make your product better?

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- It is an all-synthetic product.
- It is colorless, clear, white—sparkling crystalline structure.
- It is readily soluble.
- This all-synthetic chemical is stable* at ordinary temperatures.
- Containers are fiber moisture-resistant drums, polyethylene lined, with friction cover tops to safeguard against atmospheric moisture.
- You have uniform quality and scheduled availability, for Baker controls all raw materials.
- It is packaged in convenient 200, 100, 50 and 25 pound fiber drums, polyethylene lined.

*Picks up moisture. Should be kept in tightly closed containers.

The news spreads fast about the superiority of Baker Ammonium Thiocyanate, Technical Crystal.

Industry after industry investigated its seven features—made comparative tests—and decided that this *all-synthetic* Ammonium Thiocyanate (Sulfocyanate) had qualities that would, in turn, give *their* process or products superiority.

Whether you buy Ammonium Thiocyanate for textiles or textile printing, for adhesives, as an inhibiting agent, or for a hundred and one other uses, you owe it to yourself to check the Sulfocyanate you may be using with Baker (all-synthetic) Thiocyanate.

Check every one of the seven Baker features. See which ones may help your company—then ask for samples and prices.

The comparative tests will be your best guide to value.

Address: J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, N. J.

Baker CHEMICAL

Baker Chemicals

REAGENT • FINE • INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

October 27, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C. m.p. dms., works. lb. .50 - —
Acetaldehyde, 99%, dms., c.l., frt. equald. lb. .12 - —
l.c.l., frt. equald. lb. .12¾ -
tanks, frt. equald. lb. .10 - —
Acetaldol (see Aldol).
Acetamide, tech. fib., dms lb. .45 - —
Acetanilide tech. bbls., c.l., dlvd lb. .24½ - —
l.c.l., ton lots lb. .25½ - —
smaller lots lb. .28½ - —
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride dms., c.l., frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½ - —
tanks, frt. alld. E lb. .12½ - —
Acetoacetanilide, bbls., dlvd lb. .69½ - —
fib. dms., c.l., dlvd lb. .68½ - —
l.c.l., dlvd lb. .69½ - —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd. lb. .74½ - —
fib. dms., c.l., dlvd lb. .73½ - —
l.c.l., dlvd lb. .74½ - —
Acetoacetparaphenetidide, dms., 500 lbs. or more, works lb. 1.63 - —
smaller lots same basis lb 1.90 - —
Acetone, CP, dms., c.l., dlvd lb. .10¼ - .11¾
l.c.l., dlvd lb. .11 - .12¼
tanks, dlvd lb. .08½ - .10
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 1.33
Acetophenone, cns., dms lb 1.30 1.65
tech., l.c.l., dms., works lb. .75 - —
Acetyltributyl citrate, tech. dms. lb. .31½ - —
smaller pkgs. lb. .60 - —
Acetyltriethyl citrate, tech. dms. lb. .27 - —
smaller pkgs. lb. .53 - —
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145 - —
cryst., dms., c.l., works lb. .05½ - —
l.c.l., works lb. .06 .06½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 3.90 - —
56%, bbls. 100 lbs. 6.50 - —
70%, bbls. 100 lbs. 7.75 - —
80%, bbls. 100 lbs. 8.60 - —
glacial, synthetic, CP, dms., works. 100 lbs. 13.50 - —
cbys., works 100 lbs. 18.50 -22.50
USP, cbys., works 100 lbs. 14.00 -18.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs. 10.00 - —
tanks, works 100 lbs. 8.00 - —
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fine, cryst., gran. (30-40 mesh) powd. (60 mesh), bbls. same basis. lb. .52 - —

Freight equald, ship't (identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms.. lb. .45 —
smaller lots, dms lb. .49½ .54½
Adipic, fib dms., works lb. .26½ —
Aminoacetic NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic resub. bbls lb 2.10 —
tech., bbls., frt. equald lb. 1.21 - —
Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic, USP, dms., 25-50 kilo lots kilo. 24.50 - —
10-kilo lots kilo. 24.65 - —
5-kilo lots kilo. 25.25 - —
bots., kilo lots kilo. 25.50 - —
500-gram lots kilo. 26.00 - —
Battery, cbys., c.l., E. works. 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —
Benzoic, tech. bbls. dms., 100 lbs. or more lb. 43 - —
USP, bbls. dms., 100 lbs up lb 54 - —
Betahydroxynaphthoic bbls., works lb. 1.29 - 1.39
Boric, tech. 99½%, cryst., bgs., c.l., works ton. 118.25 - —
ton lots ex whse, N. Y. or Chi. ton. 164.00 - —
less ton lots, same basis. ton. 169.00 - —
bbls., c.l., works ton. 142.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 188.50 - —
less ton lots, same basis. ton. 193.50 - —
bulk, c.l., works ton. 114.25 - —
gran., bgs., c.l., works ton. 93.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 139.00 - —
less ton lots, same basis. ton. 144.00 - —
bbls., c.l., works ton. 117.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 163.50 - —
less ton lots, same basis. ton. 168.50 - —
bulk, c.l., works ton. 89.25 - —
Acid, boric, powd., bgs., c.l., works. ton. 96.23 - —
ton lots, ex whse., N. Y. or Chi. ton. 144.00 - —
less ton lots, same basis. ton. 149.00 - —
bbls., c.l., works ton. 122.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 168.50 - —
less ton lots, same basis. ton. 173.50 - —
bulk, c.l., works ton. 94.25 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.34 - —
Butyric, 99%, dms. c.l. works lb. .36½ - —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —
Cacodylic, bots. lb. 10.00 -11.00
Camphoric, natural, dms. lb. 5.00 5.65
synth., dms lb 4.00 4.75
Capric, 90%, dms., l.c.l. lb. .45 - —
Caprylic, 90%, dms., l.c.l. lb. .45 - —
Castor oil, split, dms lb. .31½ .32
Chicago, bbls., frt. alld lb. 2.92 - —
Chlorosulphonic, dms., c.l., works lb. .036 - —
l.c.l., works lb. .041 - —
tanks, works lb. .031 - —
Chromic, 99½-99¾% dms., c.l. works lb. .27 - —
l.c.l., works lb. .27½ - .28½
USP (see Chromium trioxide).
Cinnamic, refd. bots lb 2.50 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. 26½ - —
10,000 lbs. 1 ship't lb .27 - —
smaller lots lb. 27½ - —
kgs. lb .28½ - —
Anhydrous citric acid powder ½c. per lb. higher.
USP, cryst., dms., c.l. lb 27½ - —
10,000 lbs., 1 ship't lb 28 - —
smaller lots lb 28½ - —
kgs lb 29½ - —
gran., fine gran., dms., c.l. lb 24½ - —
10,000 lbs., 1 ship't lb 25 - —
smaller lots lb 25½ - —
kgs. lb 26½ - —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bls lb. 72 - —
Coconut oil, dist., dms lb. .28 - .29¼
double dist., dms lb. .30 - .31¼
Cottonseed oil, dist., dms lb. .16 - .17¼
double dist., dms lb. .16½ - .17¾
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equaled gal. 1.06 - 1.11
l.c.l., non-ret. dms., same basis lb. 1.09 - 1.14
ret. dms., c.l., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .93 - 1.09
204° to 207° C, non-ret. dms., c.l., same basis gal. 1.06 - 1.11
l.c.l., same basis gal. 1.09 - 1.14
ret. dms. c.l. same basis, gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .93 - 1.00
petroleum, 179°C to 198°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .67½ —
l.c.l., same basis gal. .69½ 71½
tanks, same basis gal. .57 —
193° to 213°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .60½ —
l.c.l., same basis gal. .62½ .64½
tanks, same basis gal. .50 —
200°C to 222°C, tanks, Wilmington, Cal gal. .40½ —
211°C to 236°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ —
l.c.l., same basis gal. .55½ .57½
tanks, same basis gal. .43 —
220°C to 242°C, tanks, Wilmington, Cal gal. .38½ 41½
257°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½ —
l.c.l., same basis gal. .53½ .55½
tanks, same basis gal. 41 —
245°C to 298°C tanks, Wilmington, Cal gal. .36½ —
295°C to 325°C, tanks, Wilmington, Cal gal. .26½ —
imported, coaltar 75% at 215°C or over, dms., c.l.f. gal. 1.15 - 1.20
Crotonic fib dms works lb 29 —
Cyanoacetic, tech bbls lb 90 1.25
Desoxycholic, bots lb. 22.00 -25.00
Dichlorophenoxyacetic, (see "D" 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb 14 —
Ethylthexoic, dms., c.l., works lb. .33 - —
l.c.l., works lb. .33½ - —
tanks, works lb. .31½ - —
F, crude, paste, bbls., works lb. 1.52 - —
Folic, bots. fib cans, kilo or more gram 2.00 —
Formic, 85% cbys. c.l. works lb 13 15½
l.c.l., works lb 13½ 14
90%, cbys., c.l., works lb 13½ 14
l.c.l., works lb 14 14½
Fumaric, tech., bbls., dms lb. .32 - .33
Gallic, NF VII, bbls. 1,000-lb lots lb. 1.80 - —
smaller lots lb. 1.83 - 1.87
technical, bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.61 - 1.65
Gamma dry ground bbls., frt. alld lb. 1.37 - —
paste, bbls., frt. alld lb. 1.32 - —

Abbreviations

Used in OPD Market Quotations

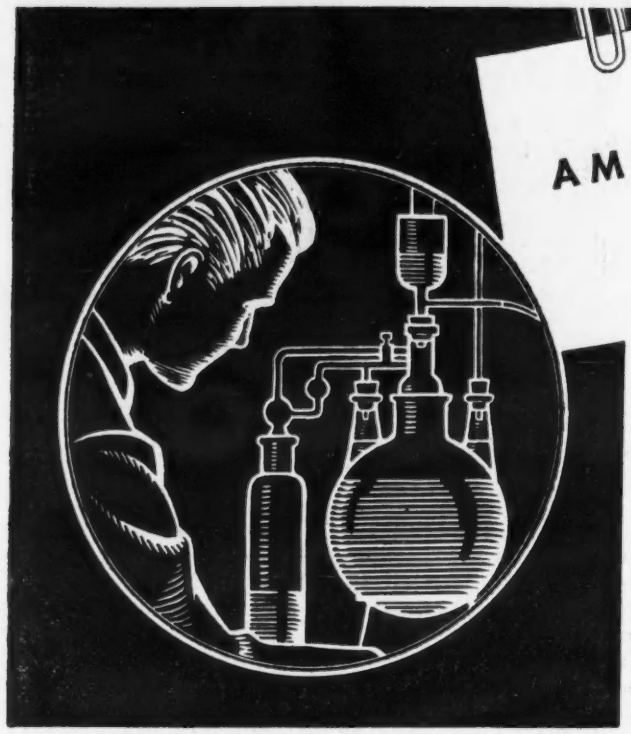
ACS	American Chemical Society	dist.	distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes	gal.	gallon	reg.	regular
C.	centigrade	gran.	granular	resub.	resublimed
cbys.	carboys	grd.	ground	ret.	returnable
CD	completely denatured	i.&a.	iron and aluminum	SD.	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d.	single distilled
				S. E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color			solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP.	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed anilin point	vis.	viscosity
ctns.	cartons			VM&P.	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W.	west
denat.	denatured			w.w.	water white
dest.-dist.	destructive-distilled	N.	nitrogen	whse.	warehouse
		nat.	natural		

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 - —
Glutamic, laevo, 99%, fiber dms. 100 lb. lots, works lb. 2.45 - —
25 lb. lots lb. 2.60 - —
Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .80 - —
Hydriodic, 45-47%, cbys lb. 2.57 - 2.59
57%, cbys lb. 2.86 - —
Hydrobromic, mechanical, 48%, cbys., dlvd. E lb. .36 —
tech., 48%, cbys., dlvd E lb. .34 .36
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works. lb. .19 - .19¼
tanks, works lb. .16½ - —
30%, wood or rubber, dms., works lb. .08½ .09
70%, steel dms., works lb. .143 .149
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks Belle W. Va., 100% basis lb. .085 - —
Hypophosphorous, purif., 50%, cbys. lb 1.30 1.32
USP, cbys lb. .78 —
J, bbls., works 100% basis lb 2.50 2.85
Koch, bbls., frt. alld lb. .64 - —
L, bbls., frt. alld lb. 1.25 - —
Lactic, edible 50%, bbls., 20 or more lb. .18½ - —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .285 .33½
plastic grade 50%, bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ - —
80%, bbls., 5 or less lb. .3495 .3549
tech., 22%, bbls., l.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85% cbys lb. .69 .72
Laurent's, bbls lb. .60 - .87
Lauric, 90-95% dms lb. .30½ - .31
60% dms lb. .27½ - .28
Linseed oil, reg. dist., dms lb. .2170- .2220
water-white dms lb. .2470- .2520
Maleic, powd., dms lb. .32 - .33
Anhydride (see M).
Malic, dms lb. .45 —
Mandelic, NF, dms, 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 - 2.10
Metanilic, dms., works lb. .57 - —
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½ .80
Molybdic, dms, 85-92% works lb. .88 —
Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .24¼
tech., flake, 96-97%, bbls lb. .18 - .21
Muriatic, 18°, cbys., c.l., works 100 lbs. 2.05 - 2.30
l.c.l., works 100 lbs. 2.35 - 2.40
tanks, works ton. 22.00 -23.00
20°, cbys., c.l., works 100 lbs. 2.30 - 2.55
l.c.l., works 100 lbs. 2.60 - 2.65
tanks, works ton. 25.00 - —
22°, cbys., c.l., works 100 lbs. 2.80 - 2.90
l.c.l., works 100 lbs. 3.10 - 3.90
tanks, works ton. 28.00 -30.00
CP, USP, consumers, cbys., extra c.l., frt. equald lb. .07¾ —
l.c.l., same basis lb. 09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
l.c.l., same basis lb. .14¼ 15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.
Myristic, dms., l.c.l. lb. .35 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's).
Naphthol (1)-5-sulphonic (see Acid L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. .97 - —
Nicotinic, USP, dms., frt adjusted kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys, c.l., E. works 100 lbs. 5.00 —
l.c.l., E. works 100 lbs. 5.40 6.10
38° cbys, c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 6.60
40° cbys, c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E works 100 lbs. 6.40 7.10
42° cbys, c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra c.l., frt. equald lb. .11½ —
l.c.l., same basis lb. 13 13¼
5 pint bottles extra, cs., c.l., frt equald lb. .15½ —
l.c.l. same basis lb 17 18
Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms, ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 4.50 - 5.10
smaller lots, works lb. 3.85 - 5.30
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 6.00 - 7.50
smaller lots lb. 6.05 - 7.80
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb. .12¾- .13¾
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald, 100 lbs. 6.50 - —
l.c.l., works, frt. alld 100 lbs. 7.00 - 7.50
tanks, works, frt. equald 100 lbs. 4.75 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, ogs. lb. .65 - .70
Picric, NF, 300-lb. bbls. lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33
Propionic, natural, dms., works, lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. 2.76 - 2.81
NF, cryst., dms lb. 3.25 - 3.30
Pyroligneous, dms, incl., l.c.l., works, South gal. .31 - —
whse. gal. .43 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms., c.l., works, lb. .62 - —
l.c.l., works lb. .64 - .68
Soybean oil, single, dist., dms. lb. .17½- .18¾
double dist., dms lb. .18 - .19¼
Stearic, double pressed, bgs lb. .19½- .20¾
single-pressed, bgs lb. .18½- .19¾
triple-pressed, bgs lb. .21¾- .23
Succinic, purified, crys., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., frt. alld. lb. .17 - —
l.c.l., frt. alld lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.60
tanks, works ton 16.20 -16.65
Sulphuric 66° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.40 - 2.85
tanks, works ton 19.85 -20.00
98%, tanks, works ton 21.00 -21.30
CP, NF, consumers, cbys., extra, c.l., works, frt. equald, lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
6 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. 12¾- .13¾
fuming, 20%, tanks, works ton 22.40 - —
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .15½- 16¾
Tannic, tech., dms lb. No prices.
fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.61 - 1.65
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb 1.51 - 1.54
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .36 - —
smaller lots lb. .36½- —
100-lb. dms lb. .37½- —
small dms lb. .39½- .41½
imported, kgs. lb. .34 - .36
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 - 1.80
tech. bbls. cbys. basis 100% lb 1.40 - —
Tobias, bbls., frt. alld lb. .69 - —
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Trichloroacetic bots lb 2.00 - 2.50
Trichlorophenoxyacetic (see 2,4,5-T)
Tungstic, tech., kgs., works lb 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.25 - 1.30
powdered, 30 mesh, fib. dms lb. 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.28 - 1.30
powd., bbls lb. 1.31 - 1.34
tech., cryst., bbls lb. .77 - .80
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. Miss. lb. .16¾- —
l.c.l., frt. alld E. of Miss lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C., dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 —
ACS grade, dms., l.c.l., dlvd lb. .42 —
Benzyl, NF, dms lb. .60 - .88
tech. dms., works, frt. equald. lb. .45 .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .17¾- .32¼
l.c.l., frt. alld lb. .18¾- .33¼
tanks, frt. alld lb. .16 - .30½
synthetic, normal, dms., c.l., frt. alld lb. .16¼- —
l.c.l., frt. alld lb. .17¼- —
tanks, frt. alld lb. .14½- —
secondary, dms., c.l., frt. alld. lb. .11¾- .12¾
l.c.l., dlvd., frt. alld lb. .12½- .13½
tanks, dlvd., frt. alld lb. .10 - .11
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb. 2.75 - 3.20
Denatured, SD12, SD13, CD14, dms., dlvd. E. of Miss. R. gal. .64 - .96½
l.c.l., dlvd. E. of Miss. R. gal. .68 - 1.05½
tanks, dlvd. E. of Miss. R. gal. .52 - .84½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .64½- .97½
l.c.l., same basis gal. .68½- 1.06½
tanks, same basis gal. .52½- .85½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .63½- .97½
l.c.l., same basis gal. .67½- 1.06½
tanks, same basis gal. .51½- .85½
SD2B, dms., c.l., E. of Miss. R. gal. .63 - .98
l.c.l., same basis gal. .67 - 1.07
tanks, same basis gal. .51 - .86
SD3A, dms., c.l., E. of Miss. R. gal. .62 - .95½
l.c.l., same basis gal. .66 - 1.04½
tanks, same basis gal. .50 - .83½
SD23A, dms., c.l., E. of Miss. R. gal. .64½- .96½
l.c.l., same basis gal. .68½- 1.05½
tanks, same basis gal. .52½- .84½
SD23H, dms., c.l., E. of Miss. R. gal. .64½- .96½
l.c.l., same basis gal. .68½- 1.05½
tanks, same basis gal. .52½- .84½
SD27A, dms., c.l., E. of Miss. R. gal. 1.04 - —
l.c.l., same basis gal. 1.13 - —
tanks, same basis gal. .92 - —
SD30, dms., c.l., E. of Miss. R. gal. .61½- .93½
l.c.l., same basis gal. .65½- 1.02½
tanks, same basis gal. .49½- .81½
SD35A, dms., c.l., E. of Miss. R. gal. .64½- 1.01
l.c.l., same basis gal. .70½- 1.10
tanks, same basis gal. .52½- .89
SD40, dms., c.l., E. of Miss. R. gal. .64 - .98½
l.c.l., same basis gal. .68 - 1.07½
tanks, same basis gal. .52 - .86½
Diacetone, acetone free, dms., c.l., dlvd. lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.72 -18.07
l.c.l., same basis gal. 17.76- 18.16
tanks, same basis gal. 17.60 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .62 - .97
l.c.l., same basis gal. .66 - 1.06
tanks, same basis gal. .50 - .85
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.62 -18.97
l.c.l., same basis gal. 18.66 -19.06
tanks, same basis gal. 18.50 -18.95
Phenylethyl, cns lb. 1.40 - 1.60
Ethylbutyl, dms, c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 —
dms., c.l., works lb. .21½- —
l.c.l. works lb. .23 - —
tanks, works lb. .18 —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .14¾- —
l.c.l., works lb. .15¾- —
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd. gal. .49 - —
l.c.l., dlvd gal. .54 - —
tanks, dlvd gal. .37 - —
95%, dms, incl., c.l., dlvd gal. .50½- —
l.c.l., dlvd gal. .55½- —
tanks, dlvd gal. .38½- —
99%, dms, incl., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .40 - —
Methyl (see Methanol)
Methylamyl (see Carbinol, methyl-isobutyl)
Nonyl (see Trimethylhexanol)
Octyl, perfumer's grade, bots lb 1.70 3.25
technical (see Octanol, normal)
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.39 - 1.60



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Choline Bitartrate
Cinchophen N.F.
(and sodium salt)
Folic Acid
Neocinchophen U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
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Nicotinamide U.S.P.
Nicotinamide HCl
Para Aminosalicylic Acid
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Pyridoxine HCl
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*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

PHARMACEUTICAL DEPARTMENT · CALCO CHEMICAL DIVISION

AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls..lb. .63 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .10¾- —
l.c.l., dlvd.....lb. .11¾- —
tanks, dlvd.....lb. .09 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .47 - —
dms., Niagara Falls, N. Y. lb. .40½- —
l.c.l., Waverly, N. Y.....lb. .42½- —
tanks, Niagara Falls, N. Y. lb. .38 - —
Industrial grade, dms., c.l., Niagara Falls, N. Y..lb. .29 - —
l.c.l., Waverly, N. Y...lb. .30½- —
tanks, Niagara Falls, N. Y. lb. .26½- —
Aldol, 95%, dms., works.....lb. .15 - .16
denaturing grade, dms. .....gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. 1.06 - —
l.c.l., works, frt. alld.....lb. 1.20 - —
Aletris root, bgs.....lb. 1.75 - 1.90
Algin, bbls., fib. dms.....lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs .....lb. .35 - .40
Allethrin, 100% dms., 1 to 10 dm., lots lb.45.00 - —
smaller lots, works lb.50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 - —
10%, dms., works... gal.37.75 - —
2%, dms., works ..... gal. 7.75 - —
Allspice, Jamaica (see Pimento)
Mexican, bgs., futures.....lb. .19 - .20
Allyl bromide cnye. 5,000 lbs., works lb. .99 —
smaller lots works lb. 1.05 1.10
Allyl chloride, dms., c.l., dlvd..lb. .16¾- —
l.c.l., dlvd lb. .17½- —
tanks dlvd lb. .15 —
Starch, solid, dms., works.....lb. .51 - —
solution, 40%, dms., works. lb. .25½- —
Aloe, Cape, cs .....lb. .22 - .23
Curacao, kgs. .....lb. .35 - .36
Socotrine, kgs .....lb. .35 - .36
Aloin, USP bbls., dms. kgs .. lb. 3.50 - —
Alphanaphthol, bbls., frt. alld .. lb. .77 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .37 - —
Alphapicoline wet dms. c.l. works, frt. equald lb. .29½- —
l.c.l., works, frt equald lb. .30 —
Alphapinene tanks South works gal. No prices.
Alphaterpineol dms. t.c.l. dlvd E. lb. .17 - —
Alphatocopherol, bots kilo.350.00 - —
Acetate, bots .....kilo.350.00 - —
Althea root NF peeled bls lb .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs 4.05 —
powd., bbls., works 100 lbs 4.20 —
USP, burnt, bbls lb .20 .21
hydrous, bbls. lb. .07¾- .08
Potassium, gran., bbls., works . 100 lbs. 4.05 - —
lump, bbls., works 100 lbs 4.30 - —
powd, bbls. works 100 lbs 4.45 —
USP, burnt, bbls .....lb. .20 - .21
hydrous bbls lb. .07¾- .08
Alum, potash-chrome, dms.....lb. .17 - —
Soda, bbls., c.l. works 100 lbs 3.25 —
l.c.l., dlvd 100 lbs 4.25 5.00
Alumina calcined, bgs. c.l. works lb. .03½- .05½
crystalline (see Aluminum oxide)
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20% bbls., l.c.l., works lb. .10 - —
Chloride anhyd. com'l dms., c.l., works. lb. .13 - —
l.c.l., works.....lb. .13½- —
cryst. com'l dms., c.l. works.lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms. works lb. .27 .28
solution 32° chys., c.l., works.lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech anhyd. bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l lb. 09½- —
l.c.l. works lb. .10 - —
Hydrate, heavy bgs., c.l., frt. equald ton.50.00 -54.00
l.c.l., works ton 72.00 -86.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib dms. works. lb. 79½- —
contract, works lb. 76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½- —
Linoleate, solid, dms. frt alld lb. .39½
Metal, 99%+, ingots, 10,000 lbs. lb. .19 - —
pigs, 10,000 lbs .....lb. .18 - —
Naphthenate, liquid, 1.7%, frt. alld. lb. .26 - —
Oleate, dms precip lb. .35¼ —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs. ton, frt alld lb. .12½ —
smaller lots frt alld lb 13 .13
280-400 mesh dms., frt alld lb .32 .33
kgs., frt. alld lb .31 - —
600 mesh, dms. frt alld lb. .35 .37
kgs., frt alld lb .34 - —
600 mesh, dms. frt. alld. lb. .51 - .53
kgs. frt. alld lb .50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb .36 - .86
unclassified, dms. frt alld. lb. .16 - .17
kgs. frt alld lb 15 —
Paste, lining, extra fine, dms. lb. .59½- —
standard, dms .....lb. .41 - —
Powder, lining, extra fine, dms. lb. .97½- —
standard, dms .....lb. .68½- —
rubber comp., dms .....lb. .58½- —
unpolished, standard, dms... lb. .54½- —
varnish standard, dms.....lb. .59 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb for 100 lb dm., 1½c per lb for 50-lb dm 3c per lb for 10-lb. can and 5c to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c for 1,500 to 4,999 lbs. 3c for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.

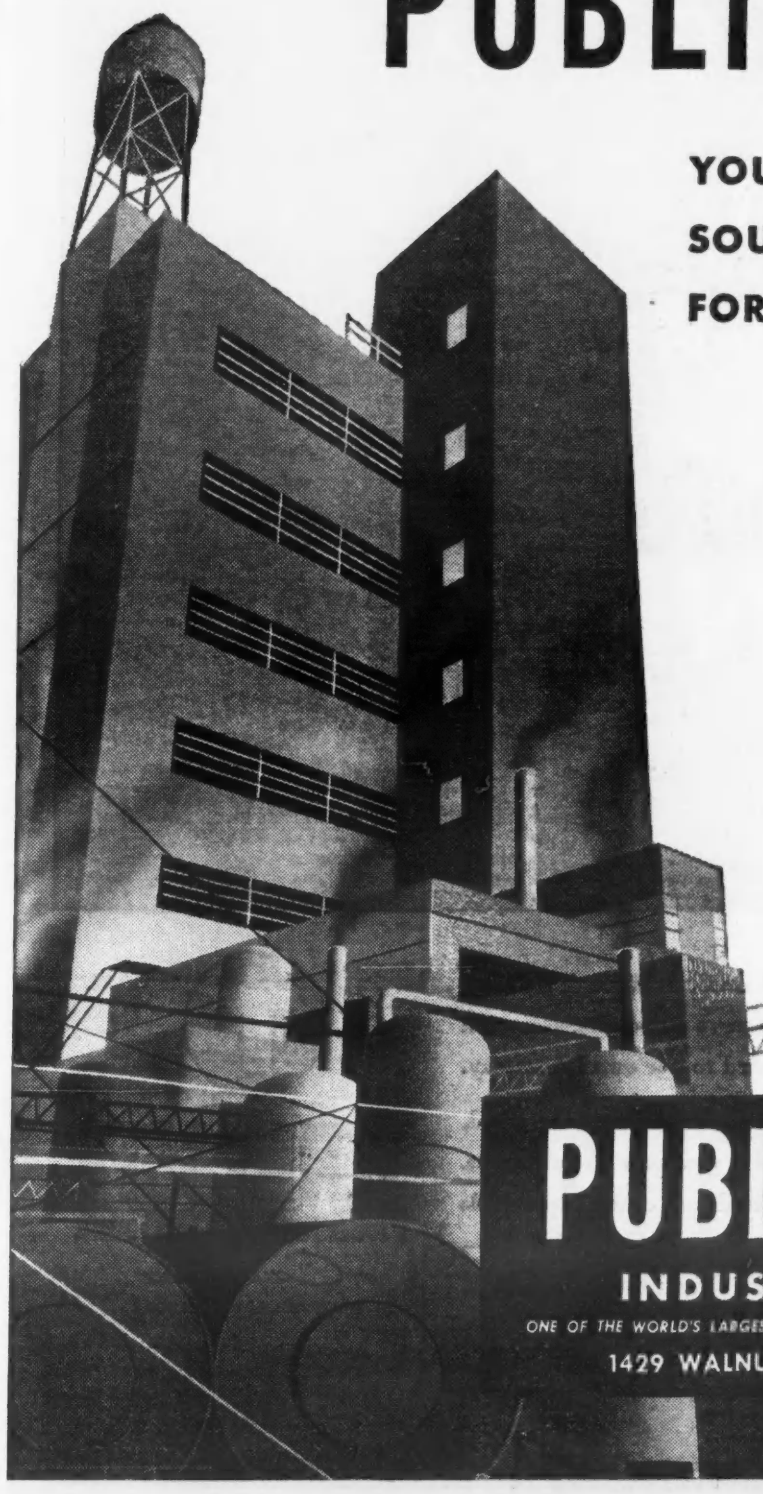
Resinate, precip., dms., frt. alld. lb. .25¼- —

Aluminum stearate, dibasic, ctns., c.l. lb. .35 - —
l.c.l. .....lb. .36 - —
monobasic, ctns., c.l.....lb. .33 - —
l.c.l. .....lb. .36 - —
tribasic, ctns., c.l.....lb. .33 - —
l.c.l. .....lb. .36 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works.... lb. .27 .28
powd., dms., works..... lb. .32 .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 8.00 -10.00
Aminoazotoluene bbls..... lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works ..... lb. .42½- —
tanks, works ..... lb. .40 — —
Aminophylline, USP, 100-lb. dms..lb. 5.35 - 5.85
Aminopyrine, USP bots. dms lb. 6.00 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra, zone 1... lb. .17 - .17½
2 .....lb. .19 - .19½
3 .....lb. .21 - .21½
4 .....lb. .16 - .19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum ammoniac
Sal, gray, bgs. c.l., works, frt. equald 100 lbs. 7.00 - —
l.c.l., same basis 100 lbs. 7.40 - —
white, gran., bgs. c.l. works 100 lbs. 4.60 - —
l.c.l., works ..... 100 lbs. 6.25 - —

Ammoniacal liquor tankcars, works, anhyd basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb .39 .40
reagent, jars lb .61 .63
Benzoate, USP, dms, kgs., 4,000 lbs. frt alld lb .80 —
smaller lots, frt alld lb .81 1.08
Biborate, bbls., c.l., works....ton.309.50 - —
ton lots, ex whse .....ton.372.50 - —
less ton lots, ex whse.....ton.377.50 - —
Bicarbonate, dms., c.l., works lb. 05½- —
l.c.l., works lb. .06 —
Bichromate, bbls., works.....lb. .33 - .38
Bifluoride, dms, dlvd lb .18 18½
Bromide, gran., NF, bbls.....lb. .38 - .39
dms. .....lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .20 - .21
Chloride, tech (see Ammoniac sal)
USP, gran., bbls., dms lb .19 .19
Citrate, dibasic, bbls .... lb .75 —
dms. .....lb .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb 2.40 —
Iodide, NF, jars.....lb. 4.01 - 4.11
Linoleate, plastic, 80% dms., works lb 40½- —
kgs., works lb. 42½- —
25%, dms., frt. alld .. lb 21½- —
tech., bbls., works lb. .37 —
dms., works lb .39 —
Molybdate, chemical grade, bbls., kgs lb. .85 - —
metal grade, kgs lb .90 - —
tech. grade, bbls., kgs lb .80 - —

Alcohol, Polyvinyl—Ammonium Thiocyanate

Ammonium nitrate, fertilizer grade, East Canadian, 32.5% N, bgs., c.l., shipping point. ton.63.00 - —
domestic, bgs., western works. ton 58.00 —
with dolomite, 20.5% N, bgs., Hopewell, Va ton 46.00 —
Oleate, dms precip lb 23¼ —
Oxalate, fine gran, dms lb 25 .31
Pentaborate, gran, bbls, c.l. works. ton.219.50 - —
ton lots, ex whse .....ton.282.50 - —
less ton lots, ex whse.....ton.287.50 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs, works lb 50 75
Persulphate, kgs lb 25½ 28¼
Phosphate, com'l, bgs., c.l., works. lb. .08¼- —
l.c.l., works .....lb. .08¾- —
dibasic, NF, bbls, dms lb .40 —
tech., bgs., c.l., works lb .06 —
l.c.l., work: lb .08½ —
Salicylate, NF, dms., kgs .... lb. 1.34 1.35
Silicofluoride, dms, works lb 12 13
Sulphamate, bbls, dms, works lb 18 20
Sulphate, coke-oven, bulk, producing ovens ton.32.00 -37.00
converters', bulk, works... ton. No stocks.
Sulphide, liquid, 40-45% basis, 100% dms, c.l. works. lb. 10½- —
l.c.l. works lb. 15½- —
tanks, dlvd or frt. alld lb .09 —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate, tech., bbls., c.l., works lb. .15 - .18
l.c.l., works.....lb. .16 - .20



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Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate cryst., jars works lb. .32 - —
Amphetamine citrate dextro, bots. lb 36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate dextro dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb 6.00 - —
Sulphate, dextro dms lb.36.00 - —
dextro-laevo dms lb 6.50 - —
Amyl acetate ex fusel oil, tech., dms., c.l., dlvd lb. .24¾- —
l.c.l., dlvd lb. .25¾- —
tanks, dlvd lb. .23 - —
ex pentane dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Bucyrate, dms lb .90 1.00
Cinnamic, aldehyde, dms lb. 1.60 - 2.05
Nitrite USP bots lb 1.75 1.83
Salicylate, cns., dms lb. .80 - .85
Anethol, NF, cns., dms lb. .95 1.25
Angelica root, dom., bls lb .65 .70
imported, bls lb. .85 - .90
Angostura bark, bls lb. .48 - .50
Aniline oil, dms., c.l., works, frt. alld lb. .17 - .17½
l.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., frt. alld lb. .28 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star, bgs lb. .23 - .24
Cyprus, ngs lb. .20 20½
Czech, bgs lb. .15½- .16
Mexican, bgs lb. .16½- .17
Syrian, hes lb. .15 Nom.
Turkish, bgs lb. .15½- .16
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .80 - .83
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .32 - —
cases, c.l., mines lb. .32½- —
Oxide, bgs., c.l., frt. alld lb. .27½- .30
l.c.l., frt. alld lb. .28½- .31
Trichloride, pails, works lb. .34 - .36
solution, cbys lb. .33¼- .34
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .24 - .24½
Antimony potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 2.45
Apomorphine, USP, bots oz.23.20 -23.76
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb. .18 - .19
Arecoline hydrobromide, NF bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, dms. kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports per 100 kilos (100% purity) .17.00 - —
Arnica, flowers, bls lb. .45 - .50
root, bls lb. 1.45 —
Arrowroot, powd., bgs lb. .14 - .16

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - —
White, powd., bbls., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .07 - .08
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.86.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton.52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
TTF, c.l (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00

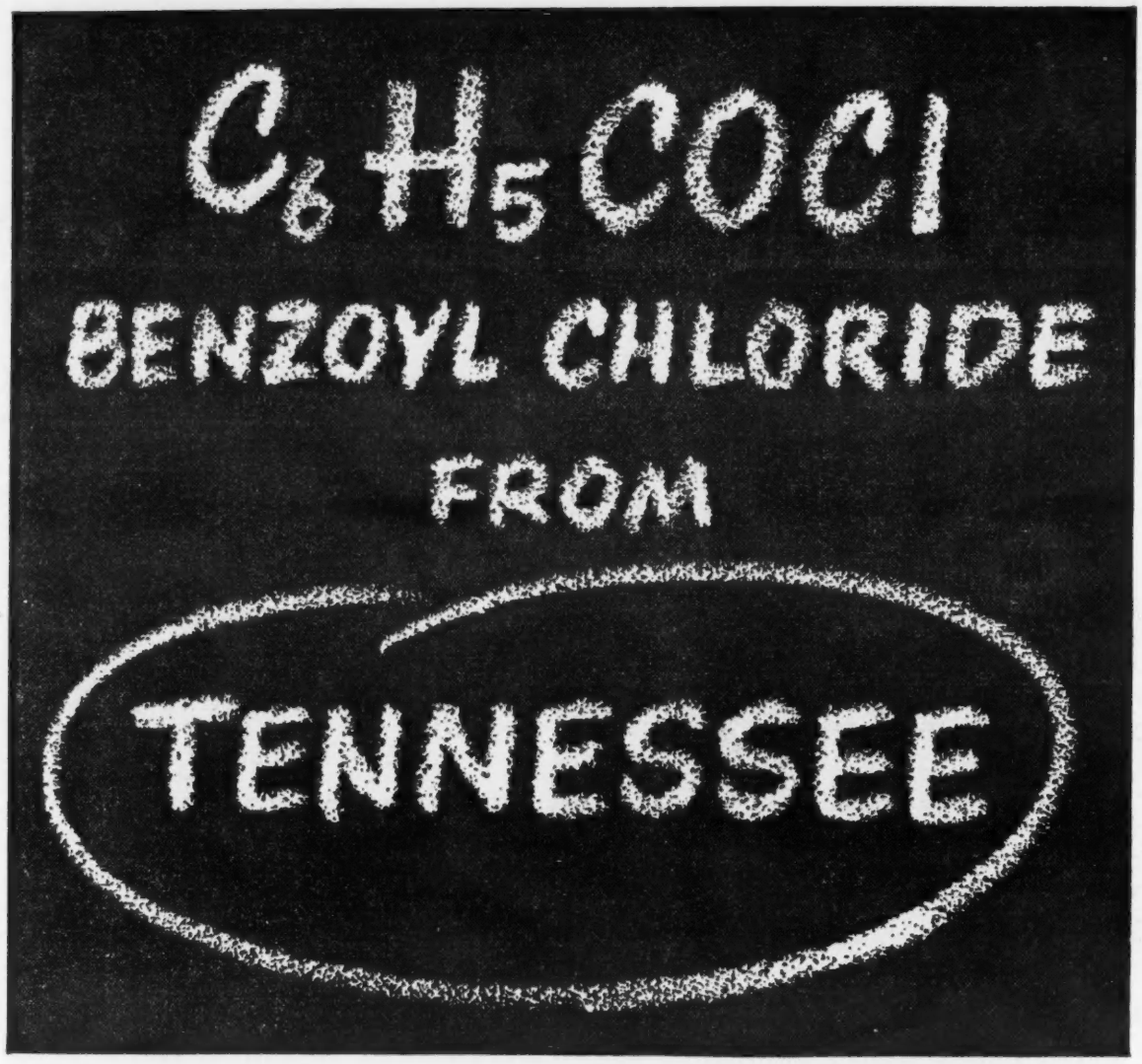
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Asphaltum, gilsonite, brilliant black, selects, 270°-295° F fusing point, c.l., bgs., f.o.b. Colo. mines ton.37.00 - —
seconds, 300°-390° F, fusing point not uniform, c.l., bgs., Colo. mines ton.34.00 - —
jet, c.l., bgs., Colo. mines ton.34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Steam-rfd., less than 80 penetration, tanks tankwagon refinery ton.22.00 - —
80-300 penetration tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz. 9.75 -10.00
Sulphate, USP, bots oz. 5.75 - 6.35

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .45
tree bark, bgs lb. .40 - .45
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals, bgs., c.l., works. ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs., frt. equald lb. .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots lb. 6.14 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .39 - —
smaller lots lb. .40 - .41
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13½
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb 20 - —
l.c.l., works lb 21 - —
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.37.60 -37.85
ex whse., N. Y. ton.53.45 -61.75
Southern off-color, bgs., mines ton.19.00 —
95.75% bgs. mines ton.20.00 —
Bauxite, bulk, mines ton. 8.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .50 - .55
Root, bls lb. .40 - .41
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde, NF, dms lb. .70 - —
tech., cbys., dms lb. .47 - .52
Benzal chloride, cbys., works lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane), tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
l.c.l., works, unit lb. .02 - .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base bbls lb. 1.02 - —
Hydrochloride, bbls., frt. alld lb. .85 - —
Benzocaine, dms. lb. 3.50 - 3.62
Benzol, pure, nitration, tanks, works, Bethlehem, Pa gal. .31 - —
Birmingham district gal. .30 - —
Chicago district gal. .30 - —
Cleveland district gal. .30 - —
Geneva, Utah gal. .30 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .32 - —
Lone Star, Texas gal. .32 - —
Lorain, Ohio gal. .30 - —
Minaqua, Colo gal. .30 - —
Philadelphia, Pa gal. .30 - —
Pittsburgh district gal. .30 - —
Sparrows Point, Md. gal. .32 - —
Syracuse, N. Y. gal. .30 - —
Terre Haute, Ind. gal. .30 - —
Wyandotte, Mich. gal. .30 - —
Youngstown, Ohio gal. .30 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald, lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works, lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
high grade ½c. higher.
Cinnamate, cns. lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works, lb. .21 - .21½
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .55 - —
Beth root, bls lb .45 - .50
Biotin, cryst gram.10.00 - —
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.17 - —
Oxide, anhydrous, dms lb. 4.47 - 4.85
Oxychloride, dms lb. 4.32 - 4.37
Phenolsulphonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP dms lb. 3.50 - —



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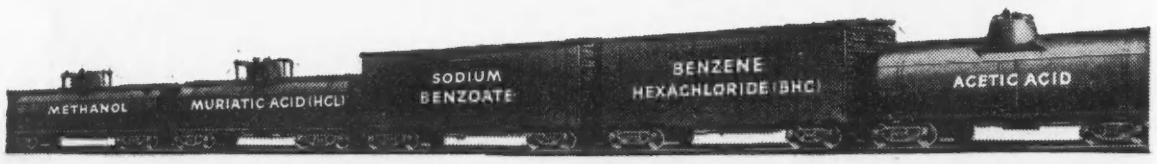

Bismuth-ammonium citrate, USP, powd., jars..lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb .13½ —
cs., l.c.l. shipt. point lb 17 19
Bone, bgs. bbls. l.c.l. dlvd lb 14½ 22½
Carload price ½c per lb. less. Deliveries to the Pacific Coast ex dock or whse. 1½c per lb higher
Carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .0950- —
bgs., ctns., l.c.l., dlvd. or whse lb. .1550- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing, bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
very fine, bgs., c.l., works lb. .08 - —
l.c.l., dlvd., or whse lb. .1250- —
Charcoal (see C)
Graphite (see G)
Iron oxide synthetic bgs., c.l., works lb. .11 —
l.c.l., works lb. .11¼ —
Lamp, bgs., c.l. works lb 07 30
Mineral, bgs., works lb 0160 0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls lb. .30 .32
root, bls lb. .12 - .15
Black dyes (see Dyes)
Black haw, root bark, bls lb. 65 75
Tree bark bls lb 28 30
Black Indian hemp root, bls lb. .50 - .58
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
direct process, bgs., c.l., works ton.90.00 - —
l.c.l., works ton.120.00 - —
N. Y. whse ton.120.00 -140.00
bbls., c.l., works ton.95.00 - —
l.c.l., works ton.120.00 -140.00
N. Y. whse ton.120.00 -140.00
pulp 66⅔% bbls c.l. works ton.69.00 - —
l.c.l., same basis ton 75.00 - —
Bleaching powder dms c.l. works, 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 6.00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., cs lb. .16 - .17
l.c.l. lb. .17 - .24
Bloodroot, bls lb. .50 - .63
Blue, alkali dry, bbls., dlvd. N of Tenn and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner bbls. litho flushed, same basis lb 1.05 —
Crescent bbls same basis lb 15 16
Chinese, bbls., same basis lb. .42 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80% bbls., same basis lb 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda)
Methyl violet toner bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .42 - —
Peacock, fugitive, 100% color strength same basis lb 60 79
Permanent toner, green shade, molybdic, bbls., same basis lb 3.75 - —
tungstic lb 4.00 - —
Potash CP bbls same basis lb 51 —
Prussian, bbls., same basis lb. .42 - —
soluble, bbls., same basis lb. .42 - —
Soda, C.P., bronze, bbls., same basis lb. .42 - —
Ultramarine, cobalt type dry or pulp, bbls same basis lb. .25 .26½
jobbing type dry bbls., same basis lb. .14 —
regular types, dry or pulp bbls., same basis lb. .20 - .30½
Victoria toner, molybdic bbls lb 3.75 —
Tungstic, bbls lb 3.75 —
Violet toner, molybdic bbls., same basis lb 1.24 —
Tungstic, kgs. same basis lb 2.60 2.70
Blue dry colors, dlvd prices ½c higher Ala, Fla., Ga., La (Shreveport, 1¼c), Miss., N C., S C., Tenn., Tex (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1 0c higher. Pac Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Boldo leaves, bls lb 08 12
Bone, raw, bulk, Chicago ton 75.00 —
junk, bulk, same basis ton 50.00 52.00
Meal, raw, 4½% ammon., 50% phos. bgs. E works ton 62.50 - —
Chicago, works ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E works ton.60.00 - —
Chicago, works ton.60.00 - —
fertilizer grade, 3% ammon., 50% phos. bgs. E works. ton 62.50 - —
Chicago works ton 62.50 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 - .16
Borage flowers, bls lb. 40 45
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works. ton.63.75 - —
ton lots, ex whse., N. Y. or Chi ton.109.50 - —
less ton lots, same basis. ton.114.50 - —
bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y. or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00 - —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
ton lots, ex whse., N. Y. or Chi ton.83.50 - —
less ton lots, same basis. ton.88.50 - —

Borax, granular, 99½%, bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.50 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. is $45.50 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs. c.l. works, frt. alld. or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 23
Borneol, cns lb 2.25 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic)
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000 lbs., same basis lb. .25 - —
single pkgs., same basis lb. .30 - —
dms., lead-lined, dlvd lb. .23 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
chys. lb. 1.52 - —
Bromstyrol, bots lb 5.35 5 75

Bronze powder, aluminum (see A), Gold, litho., cns., dms., works, lb. .50 - .60
moulding, cns., dms., works, lb. .80 - 1.00
printing ink, cns., dms., works lb. 95 1.10
radiator, cans, dms works lb 60 65
Broomtop, bls lb. .30 - .35
Brown iron oxide synth, bgs., l.c.l., works lb. .12¼ —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼ - .15¼
l.c.l., works lb. .04½ - .15½
raw, paper bgs., c.l., works lb. .04½ - .13
l.c.l., works lb. .04¾ - .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼ .06½
l.c.l., bgs., works lb. .05½ - .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼ - 08¼
l.c.l., works lb. .06½ - .08½
raw, American bgs., same basis. lb. 04¼ - .06½
Turkey type bgs., same basis. lb. .06½ - .06¾
Vandyke, bbls works lb .11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate, NF cns., 100 ozs oz. .30 - —
Bryonia, root, bls lb 29 35
Buchu leaves, bls lb. .42 - .50
Buckthorn bark, bls lb. .14 - .16
cut and sifted, bls lb. .20 - .22
Berries, bgs lb 80 90
Burdock, root, bls lb. .22 - .26

Butadiene, cyls., refinery lb. .21 - —
tanks, same basis lb. .11½ - —
Butane, indust., tanks, group 3 gal. .03½ - —
Butternut bark, bls lb. .25 - .30
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .18¾ - .34¼
l.c.l., same basis lb. .19¾ - .33¼
tanks, same basis lb. .17 - .30½
synthetic, normal, dms., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .17¼ - —
tanks, same basis lb. .14½ - —
secondary, dms. c.l., same basis lb. .12¾ - —
l.c.l., same basis lb. .13½ - —
tanks, same basis lb. .11½ - —
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .19¾ - —
l.c.l., works lb. .20¾ - —
tanks, works lb. .18 - —
Chloride, dms., c.l., works lb. .41½ - —
l.c.l., works lb. 42 - —
Ether (see Ether, butyl)
Lactate, dms., c.l., frt. alld. E. of Rockies lb 42½ —
l.c.l., same basis lb 43½ —
tanks, same basis lb 41 —
Laurate, dms., works lb 42 —
Methacrylate, normal, dms., less than truckload, works lb 60 —
Oleate, refd, dms, l.c.l. works lb 52 —
Phenylacetate, dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate)
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .32½ - —
l.c.l., same basis lb. .33½ - —
Butylamine, dms., c.l., frt. alld lb. 51½ - —
l.c.l., same basis lb. .52½ - —
tanks, same basis lb. 49¾ - —
Butyric ether (see Ethyl butyrate)

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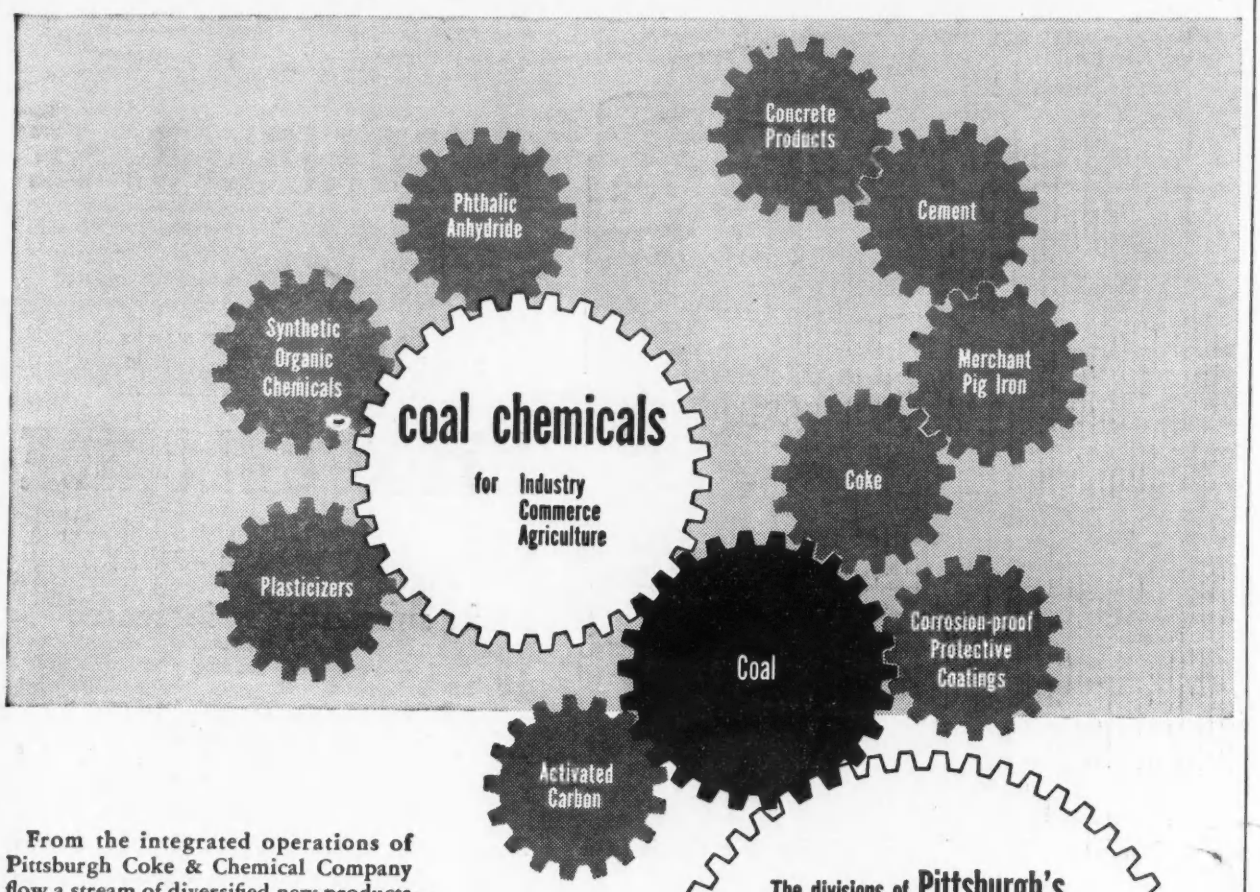
Caledonia Co., Ltd., 614 Eglinton Ave. W., Toronto, Ont., Canada

Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.40 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine natural, USP cryst. drms. 100 lbs or more lb. 6.75 - —
anhydrous, drms. 100 lbs or more lb 5.00 - —
Synthetic USP cryst., drms., 100 lbs or more lb 3.80 - —
anhydrous drms. 100 lbs. or more lb 4.00 - —
Citrated USP drms. 100 lbs or more lb 2.60 - —
Hydrobromide bots lb 6.70 Nom.
Calabar beans, bgs., futures lb. .48 - .50
Calamine, USP, drms .27 - .29
Calamus root, dom., bgs lb. .28 - .30
imported bleached, bls lb. .70 Nom.
peeled, bls lb .30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, drms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit .04¾- —
1,000 to 10,000 standard units, works unit .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd. 100 lbs. 3.00 - 4.00
Arsenate, dealers, drms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .80 - 1.00
Carbide, standard generator size, drms., c.l. dlvd ton 121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 25.00 - —
l.c.l., same basis ton 52.00 -82.00
liquor, same basis 40%, tank-cars ton 10.50 - —
pellets, bgs., c.l., works ton 31.25 - —
solid, 73-75% drms., c.l., frt. equald ton 23.50 - —
l.c.l., works, same basis ton 32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, drms dlvd. E. of Rockies lb. .30 - .50
Gluconate, N.A., bbls., drms lb. .65 - .72
USP, bbls., drms lb. .58 - .65
Glycerophosphate, NF, bbls, drms. lb. 1.85 - 2.00
Hydride, drms., works lb .90 —
Hypochlorite, 100-lb. drms., dlvd. E. of Rockies dm. 25.25 -29.85
cns., cased (45 lbs.) same basis, cs. 21.00 -23.00
Hypophosphite, ton lots or less, drms lb. .80 .83
Iodide, jars lb. 4.32 - —
Lactate, USP, drms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 .44
Calcium mandelate, USP, drms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, drms., frt. equald lb. .25¼- —
Nitrate, tech., bbls., works lb. .10 - .12
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, drms lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 7.50
feed grade, bgs., 15 tons, wks. ton 105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .0605- —
smaller lots, same basis lb. .0655- —
tribasic, bgs., c.l., works 100 lbs. 6.75 - —
l.c.l., works lb. 7.20 - 7.50
Phytate, bgs., works lb. .28 —
Resinate, precip., drms., frt. alld., works lb. .25¼- —
Silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06½- —
Stearate, precip., ctns., c.l., works lb. .37 - —
l.c.l., works lb. .38 - .39
Sulphate (see Gypsum).
Calendula flowers, bls lb. .55 - .80
Calomel, USP, fine powd., drms. lb 1.97 1.98
reg. powd., drms lb 1.82 —
Camphene, c.l., works, drms. incl. 100 lbs. 14.60 -15.60
l.c.l., same basis 100 lbs. 14.90 -17.25
tanks, same basis 100 lbs. 12.50 -13.50
chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, drms., kgs lb 2.75 2.85
natural, powd., 100-lb. lots lb 45 .55
tablets, 1-oz., ½-oz., cs lb 85 .93
Camphor, synthetic, tech., bbls., 2,000 lbs. or more, whse., lb. .43 - —
10 bbls. (1,500 lbs.) lb. .45 - —
smaller lots lb. .46 - .56
USP, gran., powd., bbls., 2,000-lb. lots lb. .50 - —
1,000-lb. lots lb. .51 - —
smaller lots lb. .52 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. .75 - .85
powd., bxs. lb. .90 - 1.05
Russian, bgs. lb 3.85 - 3.90
powd. bxs. lb. 4.00 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.50
from African pepper lb. 5.75 - 6.75
Caramel coloring NF bbls gal. 1.05 1.20
Caraway seed, Dutch lb. .16 - .16½
Carbazole, 97% steel drms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, drms., l.c.l., works lb. .70 - —
Methylisobutyl, drms., c.l., frt. alld. E. lb. .14¼- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
Carbon bisulphide, 50-gal. drms., c.s., works, frt. alld. to competitive points lb. .06¼- —
l.c.l. same basis lb. .07¼- —
5-gal. drms., c.l. same basis lb. .08½- .08¾
l.c.l., same basis lb. .09½- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, c.p., drms., works lb. .10 - .11
NF, cbys lb. .17 - .19
tech., drms., c.l., E. of Rockies, frt alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .09½- —
W. of Rockies, frt. alld. lb. .102 - —
tanks, E. of Rockies, frt. alld. lb. .07¼- .08¼
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF drms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, fancy, cs lb. 3.80 - 3.85
bold, cs. lb. 3.70 - 3.75
medium, cs lb. 3.30 - 3.35
decorticated, Alleppey, cs lb. 4.00 Nom.
Ceylon, cs. lb. 3.40 Nom.
Guatemala, cs lb. 3.95 - 4.00
Indian, cs lb. 3.65 - 3.70
Mangalore, cs lb. 3.65 - 3.70
green, Alleppey, bgs lb. 3.00 - 3.05
Ceylon, bgs lb. 3.20 - 3.25
seed (See Cardamom fruit, decorticated)
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn. cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
drms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 9.00
Cascara sagrada bark, bulk lb. .36 - .38
Case-hardening mixture, 30% gran. drms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip, standard, bgs., 10,000 lbs. or more, ship't point lb. .36 - .37
premium, bgs., 10,000 lbs. or more, ship't point lb. .39½- .41½
imp. acid-precip., ground 100 bgs. or more, ex-dock lb. .33¾- .34
rennet-precip., bgs., 10,000 lbs. or more, ex-dock lb. .35 - .36
Cashew nut, shell liq., treated, drms., c.l., f.o.b. Newark, N. J lb. .21 - —
ton lots same basis lb. .22¼- —
drm. lo's same basis lb. .24¼- —
Cassia, rolls, Batavia, longstick, bls lb. .25 - .26
broken, afloat, bls lb. .18 - .18½
shortstick, afloat, bls lb. .17 - .17½
China, Canton, Kwangsi, select, cs lb. .13½- .14
broken, bls lb. .13 - .13½
shipment lb. .12 - .12¼
China, Honan, Yunnan, scraped, bls lb. .15½- .16
broken, bls lb. .15 - .15½
unscraped, bls lb. .14 - .15
broken, bls lb. .15½- .16
Saigon, broken, bls lb. .33 - .34
afloat lb. .30 - —
medium, bls lb. .40 - .41
October-November shipment lb. .35 - —
thin, bls lb. .50 Nom.
Cassia fistula, bskts lb .30 35
Castor beans, bgs., f.o.b. Brazilian ports long ton. 170.00 -172.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 37.50 - —
Castoreum natural, cns lb 7.00 -30.00
artificial, cns. lb. 9.00 9.25
Catechol, CP cryst. fib. drms., works lb. 2.00 - —
resublimed drms. works lb 4.60 - —
Catnip leaves, bls lb. .70 - .75
Celery seed, French, bgs., afloat lb. .36 - .37
Indian, bgs. lb. .26 - .27½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, drms., c.l., frt. alld lb. .40 - —
l.c.l. same basis lb. .45 - .51
regular, black, drms., l.c.l., same basis lb. .31 - .39
variegations, drms., l.c.l., same basis lb. .50 .59
molding and extrusion transparents, drms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 .54
extrusion compounds, transucent metallic pearls, special black, drms., c.l., same basis lb. 42 - —
l.c.l., same basis lb. 44 - 49

geared for progress



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- Pittsburgh Agricultural Chemical Division
- Protective Coatings Division
- Activated Carbon Division
- Neville Coke Division
- Neville Pig Iron Division
- Green Bag Cement Division
- Neville Concrete Pipe Company

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COKE • CEMENT • PIG IRON • PLASTICIZERS • COAL CHEMICALS • ACTIVATED CARBON • PROTECTIVE COATINGS
AGRICULTURAL CHEMICALS • SYNTHETIC ORGANIC CHEMICALS

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .54 - —
less than 500 lbs., works, lb. .55 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .50 - —
less than 500 lbs., works, lb. .51 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .52 - .55
less than 500 lbs., works lb. .53 - .56
43% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition plain colors, pearls, transparents, special black dms. l.c.l. frt. alld. lb. .56 61
regular black dms. l.c.l. same basis lb. 44 48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake ctns., works, frt. allwd. on 100 lbs or more lb. 40 - —
Cerium nydrate dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb 70 - .72
Oxide optical grade, bgs. under 100 lbs., works lb 2.25 - —
kgs. 100-lb lots, works lb 1.85 - —
Chalk, precip cosmetic dentifrice drugs, bgs., c.l., works lb. .0295- .035
l.c.l., ex whse lb. .0395- .05
paint, bgs., c.l. works ton 40.00 -
papermakers, ngs. c.l., works ton 32.50 40.00
rubber makers, bgs. c.l., works ton 20.00 -
Chamomile flowers, Hungarian, cs lb. .85 - 1.00
Roman, bls. lb. .80 - .85
Charcoal activated, USP fib dms. c.l., works lb .25 .32
5-ton lots, works lb 26½- .32½
smaller lots, works lb 27 - .50
Bone, NF, bbls lb 23 - —
Hardwood, briquets, bgs., c.l., works ton 51.80 - —
bulk, c.l., works ton 49.80 - —
granular, bgs. incl. c.l. works ton 46.80 59.00
lump, bgs., extra, returnable c.l., works ton 41.80 45.50
bulk, c.l., works ton 38.80 43.50
Pinewood, gran., powd., ngs. c.l. works, South ton 40.00 - —
l.c.l., works ton 40.00 50.00
lump bgs. c.l., works, South ton 40.00 —
l.c.l., works, South ton 40.00 50.00
bulk, c.l., works, South ton 30.00 —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton 12.50 13.00
l.c.l., works ton 13.50 14.00
bulk, c.l., works ton 9.50 10.00
200 mesh, bgs., c.l. works ton 10.00 12.00
l.c.l. works ton 11.00 16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton 13.00 - —
paper bgs. c.l. works ton 16.00 - —
imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me., gross ton 19.00 40.00
powd., ngs. c.l., ex dock net ton 35.00 45.00
l.c.l. ex whse net ton 45.00 60.00
Chloral, tech., 94% min. dms. c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb 1.05 1.10
Chloramine T, NF bbls., works lb .75 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l. works lb .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms. frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l. works lb .42 - —
l.c.l. works lb .43 - —
Chlorine, liquid, cyls., c.l., N.Y. lb. .08¾- —
l.c.l., N.Y., stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.70 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.20 - —
2 cars, same basis 100 lbs. 3.80 - —
1 car, same basis 100 lbs. 4.40 - —
Chloroform, tech. dms., c.l., dlvd. E lb. .18 - .20
l.c.l., same basis lb. .20 - .22
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .35
Chloro-p-toluidine, bbls lb 1.38 —
Chlorophyll, 4% oil soluble, water soluble, cosmetic and pharmaceutical, pails, tins lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb. 1.50 - —
cyls., 180 lbs., frt. alld lb. .95 - —
100 lbs., same basis lb. .97 - —
25 lbs., same basis lb. 1.22 - —
Cholesterol, USP, fib, dms., 100-lb. lots lb. 8.50 - —
5-lb pkg. lb 9.00 - —
1-lb pkg. lb 9.50 - —
Choline bitartrate fib dms., frt. adjusted lb 2.30 2.55
Chloride, fib dms., same basis lb 2.30 2.55
Dihydrogen citrate, fib dms. same basis lb 2.30 2.55
Chromium acetate powd. 72% Cr. bbls. works lb No stocks
solut., 7½% bbls., works lb. .08½- —
cbys lb. .10¼- —
8½%, bbls., works lb. .09 - —
cbys lb. .10¾- —
Fluoride, bbls., works lb 44½ —
Green (see Green, chrome)
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb 49 - —
Trioxide, USP, bots lb 82 - —
Yellow (see Yellow, chrome)
Chrysarobin, USP, bots lb 7.65 9.29
Cinchona bark, NF, red, quill, 20-inch, cs lb 1.26 Nom.
broken, bgs lb 40 45
yellow, broken, bgs lb. .32 .35
Cinchonidine, cryst., cns. 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz .30½ 42
Cinchophen, NF, heavy density, dms., frt. adjusted lb 3.70 4.05
Standard density, dms. same basis lb 3.50 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys, cns, dms lb .90 1.20
Cinnamon, Ceylon, No. 2, bls lb. .32 - .34

Citral, bots, cns lb. 5.50 - 6.50
Citronellal, bots., dms lb. 4.35 - 7.75
Citronellol, bots., dms lb. 3.40 - 3.50
Civet, bots oz 4.00 13.00
artificial, bots lb 13.75 15.00
Clove, Madagascar, bls lb. .25½- .26
Zanzibar, bls lb. .25 - .25½
Clover tops, red, dom., bgs lb. .80 - .90
imported, bgs lb No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt alld lb. .54 - —
smaller lots same basis lb. .56 - .66
tech., low and medium vis. dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms. c.l. ex-whse, gal. .24 - —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
refd. resale bbls. c.l. ex-whse gal. .25 - —
l.c.l., ex-whse gal. .27 - —
tanks, ex-whse gal. .15 - —
Cobalt acetate, bbls. dlvd lb 93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼- —
Hydrate, 60.3% Co, bbls lb 2.13 - —
Linoleate, liquid, 6% Co, dms lb. .48¾- —
fused, 8½%, Co, dms lb. .58 - —
Metal, 97.99% kgs. ex whs. lb 1.80 —
under 100 lbs. ex whse lb 1.82 1.87
Naphthenate, liq., 6% Co, dms lb. .38¾- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide, black, kgs lb 1.38 - —
Cobalt phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused, 3% Co, dms. lb. .23¼- —
Sulphate, bgs. 21% Co, kgs lb. 1.05 - —
Cocaine, USP, cns. 100-oz oz. 15.00 - —
Hydrochloride cns. 100-oz lots. oz. 11.75 - —
Cochineal, gray, bgs lb .67 - .68
silver Teneriffe, bgs lb. .69 .70
Cocillana bark, bgs lb 16 17
Cocoa butter, bgs. lb. .74 - .75
Codeine, NF, cns. 100 ozs oz. 13.25 - —
Hydrochloride, cns. 100 ozs oz. 11.85 - —
Phosphate, USP, cns., 100 ozs oz. 10.25 - —
Sulphate, USP, cns. 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls lb. .20 - .25
Blue, root, bls. lb. .17 - .18
Colchicine, USP, bots, cns. oz. 79.00 - 85.00
Colchicum root, bls lb .60 .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms. lb. .26 - —
Flexible, USP, dms. lb. .27½- —
Colocynth, pulp, bls. lb. .20 - .22
Colombo, root, bls. lb. .13 - .15
Coltsfoot, leaves, bgs lb .30 .35
Condurango bark, bgs lb. .20 - .24
Copaiba balsam, cns., dms lb. .85 - 1.15
Copper acetate cupric, bbls, works lb .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb. .22 - .23½
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb bots lb 2.40 - —
Cyanide, tech., bbls lb. .523 - .543
Gluconate, cns., dms lb 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Copper, metal, electrolytic, dlvd. lb. .24½- —
Naphthenate, liquid 8% Cu, dms., frt. alld. lb. .24¾- —
Nitrate, tech. cryst. bbls. works. lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls lb .27 - —
solid 10% Cu, bbls lb .39 - —
Oxide, black, bbls., works lb. .35 - .38
red, com'l, bbls., works, c.l. lb. .37 - .39
l.c.l. lb. .43 - .45
Oxychloride-sulphate, bgs., frt. alld lb. 24¼ Nom.
Quinolate, fib dms lb. 3.50 —
Resinate, precip. dms., frt. alld lb. .25¼- —
Stearate, bgs., works lb. .44½- —
Sulphate, cryst., 99%, bgs., c.l., works, 100 lbs. 8.95 - 9.95
l.c.l. 100 lbs. 9.95 - 10.95
CP, cryst., gran., bbls., works lb. .1470- —
monohydrated, 35%, dms., c.l., works, 100 lbs. 14.95 - —
tribasic, dealers, bgs., c.l., works, frt. alld. lb. .2435- —
l.c.l., works .2585- —
USP, gran., cryst., dms. lb. .1470- .26
Undecylenate, dms. lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton 20.00 - —
bulk, c.l., works ton 14.00 - —
Copra, c.i.f. Atlantic, Gulf ports ton 225.00 - —
Pacific ports ton 220.00 - —
Coriander seed, Argentine, bgs. lb. .18 - .18¼
afloat, bgs lb. .15½- —
Italian, bgs lb. No stocks.
Moroccan, bgs lb. .23 - .24

The Standard of Quality

PHELPS DODGE REFINING CORPORATION
NICHOLS TRIANGLE BRAND REG. U.S. PAT. OFF. CHEMICALS
40 WALL ST. NEW YORK

COPPER SULPHATE

99+% PURE

ALSO *Nickel Sulphate • Selenium*

Tellurium • L-C Brand Zinc Sulphate

•

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Electrolytic Refiners of Copper

40 Wall Street, New York 5, N. Y. 230 N. Michigan Ave., Chicago 1, Ill.

Corn Sugar—Dihydrostreptomycin Hydrochloride

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.29 - —
bbls., c.l., same basis 100 lbs. 6.35 - —
Syrup, 42°, bbls., c.l 100 lbs. 6.57 - —
l.c.l. 100 lbs. 6.72 - —
Cornsilk, bls lb 15 .19
Corrosive sublimate, NF, cryst., dms. 50 lbs or more lb. 1.68 - —
gran. powd. dms. 50 lbs or more lb 1.53 - —
Cottonroot bark bls lb. 26 - .28
Cottonseed hull ash 32-36% potash, bgs., dlvd., unit-ton 1 75 - —
Meal, 41% protein, bulk Memphis ton.69.50 - —
Coumarin, NF, cns lb 3.00 - 3.25
powd., cans lb 3.25 - 3.50
Cramp bark, NF, bls lb 1.05 - 1.10
Cranesbill root, bls lb. .55 - .60
Cream of tartar, dom., NF, gran. or powd., bbls. 5,000 lbs. one ship lb. .31 - —
smaller lots, bbls., kgs lb. .31½- .32½
Creosote coaltar crude tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works gal. .35 - —
l.c.l., same basis gal. .41 - —
tanks, same basis gal. .27 - —
solution, 80%, tanks, works gal. .188 - —
NF, beechwood, bots., cbys lb. 1.25 - —
hardwood, bots., cbys lb. .95 - —
Pinewood, dms gal .31 .33
Carbonate, NF, bots., cbys lb. 2.70 - —
Cresols, tech, dry, above 207°C, non-ret. dms. c.l. frt. equald. lb. .138 - —
l.c.l., same basis lb. .141 - —
Cresols, tech., dry, above 207° C, ret. dms., c.l., same basis. lb. .1375- —
l.c.l., same basis lb. .1410- —
tanks, same basis lb. .125 - —
USP, non-ret. dms., c.l., same basis lb. .148 - —
l.c.l., same basis lb. .151 - —
ret. dms., c.l., same basis lb. .145 - —
l.c.l., same basis lb. .148 - —
tanks, same basis lb. .135 - —
Crotonaldehyde, 91-93% dms., c.l works lb. .16½- —
l.c.l., works lb. 17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.13.75 - —
bbls., l.c.l., works 100 lbs.14.00 - —
Cuhe root, powd., 5% rotenone, bgs., ton lots works lb. 26 - .30
Cubeb berries, XX NF bgs lb. .55 - .60
powd., cs lb. .65 - .70
Culvers root, bbls lb. .50 - .60
Cumene dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Iranian, bgs lb. .21½- .22
Morocco, bgs lb. .22 - .22½
Syrian, bgs lb. .21 - .21½
Cutch, extract, 65% tannin, bgs., ex dock lb. .06¾- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
pulv. 21% N, bgs, same basis unit-ton. 2.25 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
l.c.l., works lb. .11¾- —
tanks, works lb. .09¼ - —
Cyclohexanol, tech, dms, c.l., works. lb. .31½- —
l.c.l., works lb. .33 - —
tanks, works lb. .30 - —
Cyclohexanone, tech., dms., c.l. lb. .26½ .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 .29
Cyclohexylamine, dms., c.l., works. lb. .37½- —
l.c.l., works lb. .38½- —
tanks, works lb. .36½- —
Cyclopropane, USP, 2 lb cyls, works, cyl.40.00 - —
6 oz. cyls., works cyl 10.50 - —
Hospitals, cyls., 40 gal. lots gal .32 - —
100 gal. lots gal. .31 - —
200 gal. lots gal. .30 - —

D

2, 4-D bbls, c.l., works frt equald, lb 43 48
l.c.l. same basis lb 48 60
Isopropyl ester, dms., c.l., works lb 54 —
l.c.l., works lb 59 66
Damiana leaves, bls lb 40 45
Dandelion root, bls lb. .55 - .60
DDD, tech., fine grd. fib dms c.l. works lb 51 —
l.c.l. works lb 51½- —
l.c.l. works lb 47½ —
lump, fib, dms., c.l., works lb. .49 - —
DDT, fiber dms., c.l., works, frt. equald lb. .34 .38
smaller lots, same basis lb. .35 .38
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l. dlvd. lb .36½ —
tanks, dlvd. lb .32 —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P, paper bgs., works ton 45.00 - —
Degras, common, bbls lb .11 - 12
Neutral, less 2% ffa, bbls lb .21 - .22
over 2% ffa., bbls lb 20 - .21
Derris root, 5% rotenone powd lb 42 - —
Desoxyephedrine hydrochloride, dextro dms lb.30.00 - —
dextro-laevo dms lb 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.80 - —
l.c.l. 100 lbs. 7.95 - —
Chicago, c.l. 100 lbs. 7.15 - —
canary, paper bgs., c.l. 100 lbs. 7.54 - —
l.c.l. 100 lbs. 7.69 - —
Chicago, c.l. 100 lbs. 6.89 - —
dark, paper bgs., c.l. 100 lbs. 7.64 - —
l.c.l. 100 lbs. 7.79 - —
Chicago, c.l. 100 lbs. 6.99 - —
white, paper bgs., c.l. 100 lbs. 7.39 - —
l.c.l. 100 lbs. 7.54 - —
Chicago, c.l. 100 lbs. 6.74 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, domestic bgs lb. .09½- .10
imported, bgs lb. .08½- .09
Dextrose, USP dms lb .17¾- —
Diacetone (see Alcohol diacetone)
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots 100 grams 4.30 —
tech. bots. works lb 3.00 —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
purified, bgs., c.l., Atl. coast. ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .75¾- —
l.c.l., works lb. .76¾- —
tanks, works lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .36¾
l.c.l., dlvd lb. .34½- .37¾
tanks, dlvd lb. .32 - .35
Sebacate, dms., c.l., works lb. .60¾- —
l.c.l., works lb. .61¾- —
tanks, works lb. .59 - —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½- —
l.c.l., frt. alld lb. .52½- —
tanks, frt. alld lb. .49¾- —
Dicapryl phthalate, dms., c.l., dlvd. lb. .39¾- —
l.c.l., dlvd lb. .40¾- —
tanks, dlvd lb. .38 - —
Sebacate, dms., c.l., works lb. .63¼- —
l.c.l., works lb. .64¼- —
tanks, works lb. .61½- —
Dichloroaniln, dms., works lb. .75 .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .41¼- —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .47 - —
l.c.l., same basis lb. .48 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .28¼- —
l.c.l., same basis lb. .29¼- —
tanks, same basis lb. .26½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾- —
l.c.l., same basis lb. .37¾- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .48½ —
Oxalate, dms., c.l., frt. alld lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .29¾- —
l.c.l., dlvd lb. .30¾- —
tanks, dlvd lb. .28 - —
Sulphate, dms., c.l., works lb. .17¼- —
l.c.l., works lb. .17¾- —
tanks, works lb. .15½- —
Diethylamine, dms., c.l., frt. alld. E lb. .57 - —
l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55¼- —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .19¼- —
l.c.l., same basis lb. .20¼- —
tanks, same basis lb. .17½- —
Boriborate, dms., l.c.l lb. .28 - —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .25¾- —
l.c.l., works lb. .26¾- —
tanks, works lb. .24 - —
Monobutylether acetate, dms., c.l., works lb. .27¼- —
l.c.l., works lb. .27¾- —
Monoethylether, dms., c.l., works. lb. .19¼- —
l.c.l., works lb. .19¾- —
tanks, works lb. .17½- —
Monoethylether, acetate, dms., c.l., works lb. .25¼- —
l.c.l., works lb. .25¾- —
Monomethylether, dms., c.l., works. lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .21½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½- —
l.c.l., same basis lb. .62½- —
tanks, same basis lb. .59¾- —
Diethylstilbestrol, USP, bots kilo.240.00 -300.00
Digitalin, cryst., bots gram.12.50 -18.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 7.50 - 8.00
Diglycol, laurate, dms lb. No prices.
Oleate, dms. lb. .38 - —
Stearate, dms. lb. No prices.
Dihexyl sebacate, dms., c.l., works. lb. .51¾- —
l.c.l., works lb. .52¾- —
tanks, works lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals vials gram. .60 - —
wholesalers, vials gram. .43 - —

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2038

Dihydroxydichlorodiphenylmethane, dms lb. .95 1.00
smaller containers lb. 1.05 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .13½- —
Di-isobutylene, dms., c.l., works lb. .09¼- —
l.c.l., works lb. .10 - —
tanks, works .07½- —
Di-isooctyl phthalate dms. c.l. dlvd. lb. .39¾- —
l.c.l., same basis lb. .40¾- —
tanks, same basis .38 - —
Di-isopropylamine, dms., c.l., frt. alld. lb. .49¾- —
l.c.l., same basis lb. .50¾- —
tanks, same basis .48 - —
Dillseed, dewhiskered, bgs lb. .13 - .13¼
Dimethyl chloroacetal, dms., c.l., works lb. .53 —
l.c.l., works lb. .55 —
tanks, works lb. .51 —
Phthalate, dms., c.l., dlvd lb. .25¾- —
l.c.l., dlvd lb. .26¾- —
tanks, dlvd lb. .24 - —
Sebacate, dms., c.l., works lb. .78¾- —
l.c.l., works lb. .79¾- —
tanks, works lb. .77 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. 16½ —
Dimethylamine, 25%-40% dms., cl., works, basis 100% lb. .37 .38
l.c.l., works, basis 100% lb. .37½- .38½
tanks, works, basis 100% lb .32 —
Dimethylanilin, dms., c.l., frt. alld. lb. .24 - —
l.c.l., frt. alld lb. .25 - —
tanks, frt. alld .23 - —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —
Dinitroanilin, dms., frt. equald. lb. .54 - .57
Dinitrobenzene, crude, dms lb. .18 - —
purified, dms lb. .19½- —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .16¼- —
l.c.l., frt. alld. E lb. .17¼- —
tanks, frt. alld. E lb. .15¼- —
Dinitrophenol, bbls lb. .31 - —
Dinitrotoluene, oily, dms lb. .09½- —
refd., dms. lb. .19 - —
Dinonylnaphthalene, c.l., dms., work lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms. c.l., works, frt. alld lb. .42 - .43¼
l.c.l., same basis lb. .43 - .44¼
tanks, same basis lb. .40½- .41½
Phthalate, dms., c.l., frt. alld. lb. .39½- .39¾
l.c.l., frt. alld lb. .40½- .40¾
tanks, frt. alld lb. .38 - —
Diorthotolylguanidin, dms., ton lots, dlvd. lb. .52 - —
smaller lots, dlvd lb. .53 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see tar acid oil).
Dipentaerythritol, bgs. l.c.l., works lb. .35 - —
Dipentene, dest.-dist., dms., extra, c.l., works, South gal. .38 - —
l.c.l. gal. .39 - —
l.c.l., whse., N. Y. gal. .58 - —
steam-dist., dms., c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .53 - .91
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, refined, gran., bbls., c.l. lb. .26 - —
l.c.l., works lb. .28 - —
tankcars, works lb. .23 - —
tech., tankcars, works lb. .22 - —
Diphenylguanidin, dms., ton lots lb. .43 - —
smaller lots lb. .44 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld. lb. .15¼- .15¾
l.c.l., same basis lb. .16¼- .16¾
tanks, same basis lb. .13½- .14
Methylether, dms., c.l., frt. equald. lb. .19¾- —
l.c.l., same basis lb. .20¾- —
tanks, same basis lb. .18¼- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .93 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb .13 - —
Doggrass root, dom., cut, bls lb. .20 - .24
imp., NF cut, bls lb. .25 - .30
Dogwood bark, Jamaica lb. .11 - .13
Dragon's blood, drops, cs lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb 3.65 3.75
No. 2, cns. lb 4.65 4.75
Red, FD&C, No. 1, cns. lb 7.55 7.85
No. 2, cns. lb 4.00 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb. 7.20 7.50
No. 32, cns. lb 5.30 5.40
Violet, FD&C, No. 1, cns. lb.17.00 -17.60
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb 3.30 3.40
No. 4, cns. lb. 3.30 3.40
No. 5, cns. lb. 4.00 4.10
No. 6, cns. lb. 4.00 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb 5.70 - —
No. 10, cns. lb.20.70 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Red, D&C, No. 8, cns. lb 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb 3.00 - —
No. 17, cns. lb.10.95 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Red, D. & C., No. 18, cns. lb.24.00 - —
No. 19, cns. lb.20.05 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —
Violet, D&C, No. 2, cns. lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —
No. 22, cns. lb 9.15 - —
No. 33, cns. lb.14.65 - —
No. 37, cns. lb.13.55 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns. lb.16.10 - —
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C No. 1, cns. lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Orange AD lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange R extra, conc. lb. 1.06 - —
57 Fuchsine 6B lb. .57 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .47 - —
161 Orange RR lb. .55 - —
176 Fast red A, conc. lb. .90 - —
179 Azo rubine XX, conc. lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —

Dihydroxydichlorodiphenylmethane—Dyes, Coaltar, General Use

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
216 Chrome red B lb. .84 - —
234 Resorcin brown lb. .89 - —
246 Blue black, extra, conc. lb. .86 - —
275 Milling red 3R, conc. lb. 2.03 - —
289 Navy blue 3R, conc., 125% lb. 1.09 - —
299 Black F, conc lb. 1.40 - —
304 Neutral black 2B, conc, 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc lb. .86 - —
365 Brilliant yellow, conc. lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue, 2B, extra, conc. lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B conc. lb. 1.18 - —
518 Diamine sky blue FF extra conc., 150% lb. 2.25 - —
561 Trisulphon brown BCW, conc. lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Diamine green BXN conc. 150% lb. .97 - —
598 Congo brown GG, conc. 150% lb. 1.46 - —
620 Stilbene yellow G, conc. lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine conc. lb. 1.46 - —
655 Auramine conc. lb. 1.85 - —
657 Victoria green, sml. cryst. lb. 2.10 - —
662 Brilliant green cryst. lb. 2.79 - —
667 Brilliant milling green B conc. lb. 3.68 - —
671 Brilliant blue E lb. 1.73 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
680 Methyl violet S, conc. lb. 1.10 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —
720 Chrome azure blue BR conc. 200% lb. 3.75 - —
729 Victoria blue B conc. lb. 2.79 - —
739 Green SN extra lb. 2.41 - —
749 Rhodamine B extra lb. 4.33 - —
814 Fast yellow NNL conc. 175% lb. 3.11 - —
841 Safranine T extra, conc., 125% lb. 2.90 - —
865 Nigrosine WSJ lb. .68 - —
922 Methylene blue ZX lb. 1.55 - —
969 Sulphanthrene blue GR paste. lb. .76 - —
978 Sulphogene carbon HCF grains lb. .32 - —
1034 Alizarin red S, conc lb. 2.59 - —
1054 Anthraquinone blue B lb. 2.91 - —
1078 Anthraquinone green G lb. 2.72 - —
1085 Alizarin blue black B lb. 2.33 - —
1096 Indanthrene golden orange G, single paste lb. 2.00 - —
double paste lb. 4.00 - —
1099 Indanthrene dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green B, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —

CHEMICAL MANUFACTURERS AND EXPORTERS

If you are unable to fill *Chemical Export orders* because of domestic shortages, this Ad is for you.

You should know that many "hard to find" chemicals can be supplied by our *producers* abroad. You should know that *prices* are still comparable to those of domestic producers. They can be supplied to many destinations.

Therefore, consult us for your export requirements. The list below is a selection from the many chemicals we can supply at this time.

Acetic Acid, C.P. and tech. pure
Acetic Anhydride 95/96%
Dibutyl Phthalate
Di Ethyl Phthalate
Di Methyl Phthalate
Di Methyl Glycol Phthalate
Tri Cresyl Phosphate
Diethanolamine
Monoethanolamine
Triethanolamine
Chromic Acid
Sodium Bichromate
Potassium Bichromate
Ethylene Glycol
Diethylene Glycol
Dichlorethane
Refined Naphthalene, Flakes, Balls and Chips
Lithopone
Zinc Oxide
Tri Sodium Phosphate
Di Sodium Phosphate
Mono Sodium Phosphate
Benzene Hexachloride-98% Pure Gamma Isomer
Potassium Nitrate

We further suggest that manufacturers who export their finished product find our materials the answer to their raw material problems. U.S. import duties paid on imported materials are 90% refundable when the items purchased from us are directly used in the manufactured product to be exported.

ELBERT & COMPANY, INC.

2 Broadway, New York 4, N. Y. Telephone—Digby 8-2670 Cable Address—ELBERTONIA

Dyes, Coaltar, General Use—Fishscrap

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
1212 Sulphanthrene red violet 2BN, single paste lb. 1.62 • —
1217 Sulphanthrene orange R, single paste lb. 1.65 • —
p-4 Acid anthracine brown PGN. lb. 2.31 • —
p-14 Anthracene chromate brown EBN lb. 1.31 • —
p-24 Benzo fast black L conc., 150% lb. 2.18 • —
p-80 Diazo brilliant scarlet ROA lb. 2.79 • —
p-202 Zambesi black V lb. 1.06 • —
p-244 Celliton scarlet B lb. 1.31 • —
p-313 Naphthol AS-SW lb. 2.42 • —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. .81 • —
Jet, No. 551 lb. .89 • —
Brown, R, conc lb. 1.72 • —
Orange R, brilliant lb. .90 • —
Red 4 B, conc lb. 1.37 • —
Yellow, C lb. 1.18 • —
FN, conc lb. 1.22 • —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.85 • —
Black, basic, blue lb. 1.21 • —
Jet lb. 1.21 • —
Blue, methylene, 2 B, conc lb. 1.55 • —
Brown, Bismarck, R, conc lb. .86 • —
Chrysodine, R, extra lb. .60 • —
Y, extra lb. .64 • —
Fuchsine, conc lb. 3.08 • —
Green, malachite, conc lb. 2.10 • —
Rhodamine, E lb. 4.33 • —
Safranine, Y, conc lb. 2.90 • —
Violet, methyl, B lb. 1.10 • —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Azo rubine R, extra, conc lb. 1.04 • —
Black, acid blue, B, extra lb. .86 • —
Orange, Acid, Y, conc lb. .47 • —
Scarlet, croceine, MOO lb. 1.45 • —
Yellow, azo-, conc lb. .90 • —
Fast light, 3 G, extra lb. 2.04 • —
Methanil, conc lb. .91 • —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .45 .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.14 • 1.16
Chinese, spot, bbls, duty paid lb. .87 • .90
tanners, bbls lb. .06½- .07
Elder flowers, bright, bls lb. .40 .50
Elecampane root bls lb. .22 .25
Elm bark, grinding, bls lb. .30 .35
powd., bbls., bxs lb. .40 .45
select bndls lb. .55 .60
Emetine hydrochloride, USP, bots oz. 37.50 -40.00
Ephedra herb, bls lb. .30 • .32
Ephedrine synthetic, USP, anhydrous, bots., 100 ozs oz. .98 —
nydrous, bots., 100 ozs oz. .92 —
Hydrochloride, tin, 100 ozs oz. .75 —
Sulphate, cryst., tins, 100 ozs. oz. .72 —
powd., tins, 100 ozs oz. .73 —

Epichlorohydrin, dms., c.l., works lb. .36¾- —
l.c.l., works lb. .37½- —
tanks, works lb. .35 • —
Epinephrine, synth., USP, bots., 100 grams gram. .48 • —
Epsom salt, tech. bgs., c.l., works, 100 lbs. 2.15 • —
l.c.l., works 100 lbs. 2.90 • 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 • —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 • —
smaller lots 100 lbs. 3.35 • —
Ergot, NF, dms., tin-lined lb. 5.50 Nom.
Eserine, bots oz. 45.00 -50.00
Salicylate, USP, bots oz. 33.00 -34.00
Sulphate, bots oz. 32.00 -36.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., works lb. .32¼- —
l.c.l., works lb. .33 • —
tanks, works lb. .31 • —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., frt. equald lb. .14 • —
l.c.l., same basis lb. .14½- —
tanks, same basis lb. .13 • —
technical, dms., c.l., works lb. .13 • —
l.c.l., works lb. .13½- —
tanks, works lb. .12 • —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 • —
75 cc, hospitals bot. 1.56 • —
NF, dms., dlvd lb. .25 • —
Ethyl, absolute, ACS, dms lb. .30 • —
anesthesia, USP hospital, cns. lb. .75 • .90
industrial, USP dms, c.l., dlvd. lb. .14 • —
l.c.l., same basis lb. .16 • —
tanks, same basis lb. .12 • —
synthetic, dms., incl., dlvd. East. lb. .14 • —
l.c.l., same basis lb. .16 • —
tanks, same basis lb. .12 • —

Ether, isopropyl, dms., c.l., dlvd lb. .06¼- —
l.c.l., dlvd lb. .07 • —
tanks, dlvd lb. .04½- —
Nitrous, conc, bots, 100 lbs lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .15¾- .18¾
l.c.l., frt. alld lb. .16¾- .19¾
tanks, frt. alld lb. .14 • .17½
93-98%, dms., c.l., frt. alld. lb. .16¼- .19
l.c.l., frt. alld lb. .17¼- .20
tanks, frt. alld lb. .14½- .17¾
99%, dms., c.l., frt. alld lb. .16¼- .19¼
l.c.l., frt. alld lb. .17¼- .20¼
tanks, frt. alld lb. .14½- .18
NF, dms., frt. alld lb. .24 • .25
synthetic, 85-90%, dms., c.l., frt. alld lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
tanks, frt. alld lb. .10 • —
95-98%, c.l., frt. alld lb. .12 • —
l.c.l. frt alld lb. .13 • —
tanks, frt alld lb. .10¼- —
99%, dms., c.l. frt. alld lb. .12¼- —
l.c.l., frt alld lb. .13¼- —
tanks, frt. alld lb. .10½- —
Acetoacetate dms. c.l. dlvd lb. .47½- —
l.c.l., dlvd lb. .48½- —
tanks, dlvd lb. 46 —
Acrylate, dms. c.l. and truckload, works lb. .49 • —
less than truckload works lb. .49½- —
tanks, works lb. .48 —
Benzoate, dms lb. .70 • .75
Betaethoxypropionate dms works lb. 70 —
Bromide, tech, 98% dms lb. .39 .41
Butyrate, bots gal. 5.10 • 6.00
cns, works lb. .63 • .67
dms, works lb. 60 —
Carbamate (see Urethane)
Chloride, tech dms c.l. frt. alld. E. lb. .16 • .18
l.c.l., same basis lb. .18 • .20
tanks, same basis lb. .13½- —
USP bbls, cyl lb. .20 .22
Cinnamate, cns lb. 2.25 2.50
Formate, dms lb. .55 .65
Iodide, bots., works lb. 3.88 4.27
Lactate, dms., works lb. .42¼- —
Methacrylate, dms, c.l. and truckload works lb. .50 —
less than truckload, works lb. .50½- .60
Nitrite (see Ether, nitrous).
Oenanthate, dms lb. .95 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, 40% (see Tetraethyl orthosilicate).
40% available SiO2 dms works lb. .55 • —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylanilin, dms., frt. alld lb. .50 • —
Ethylbenzene, dms., c.l lb. .14 • —
l.c.l. lb. .15 • —
tanks lb. .13 • —
Ethylbutyl ketone, dms., c.l., works. lb. .31½- —
l.c.l., works lb. .32 • —
tanks lb. .30 • —
Ethylcellulose, 6-8 cps dms 5,000 lbs. works lb. .54 • —
smaller lots, works lb. .56 • .64
Ethylene dichloride dms c.l., works frt dlv E of Rockies lb. .10¾- —
l.c.l., works frt dlv E of Rockies lb. .11¾- —
tanks, frt. alld., E. Rockies lb. .09 • —
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. equald lb. .25¼- —
l.c.l., frt. equald lb. .26¼- —
tanks, frt. dlvd lb. .18¼- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms. c.l. works lb. .42 • —
l.c.l., works lb. .42½- —
tanks, works lb. .40 —
Ethyleneglycol dms. c.l. frt alld. E lb. .17¾- —
l.c.l., same basis lb. .18¾- —
tanks, same basis lb. .16 • —
Diethylether dms c.l. works lb. .55 • —
Monobutylether, dms., c.l., works. lb. .21¾- —
l.c.l., works lb. .22¾- —
tanks, works lb. .20 • —
Monoethylether, dms., c.l., works. lb. .19¼- —
l.c.l., works lb. .19¾- —
tanks, works lb. .17½- —
Monoethylether acetate, dms., c.l., works lb. .18¼- —
l.c.l., works lb. .18¾- —
tanks, works lb. .16½- —
Monomethylether, dms., c.l., works. lb. .20¾- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 • —
Monomethylether acetate, dms., c.l., works lb. .25¾- —
l.c.l., works lb. .26¼- —
tanks, works lb. .24 • —
Monostearate, dms lb. .33 • —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .33¾- —
l.c.l., same basis lb. .34¾- —
tanks, same basis lb. .32 • —
Ethylmorphine hydrochloride, USP bots oz. 11.85 • —
Ethylorthotoluidine (see Monoethylorthotoluidine).
Ethylvanillin cns, 5 lbs or more lb 6.75 • —
smaller lots lb 6.80 6.90
Eucalyptol, USP, cns., dms lb. 1.65 • 2.05
Euphorbia, pil, herb, bls lb. .16 • .18
Eugenol, pure, USP, cns lb. 2.65 • 3.25
Euphorbia, herb, bls lb. .18 • .20

F

Feldspar enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ton. 18.00 -20.00
Fennel seed, Czech., dark, bgs lb. .11½- .12
French, bgs lb. .14 • .14½
Indian, bgs lb. .13 • .14
Fenugreek seed, domestic, bgs lb. No stocks.
Indian, bgs lb. .11 • .11½
Moroccan, bgs lb. .06½- .07
Syrian, bgs lb. .07 • .07½
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½- —
water-white, cs., works lb. .13½- —
Fir balsam, Canada, cns gal. 31.50 -32.50
Oregon, bbls gal. 2.35 2.60
Fishberries, bgs lb. .20 • .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 130.00 • —
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 122.50 • —

From SHELL CHEMICAL

INTERMEDIATES

The difference between the raw material you have and the end-product you want may be a SHELL INTERMEDIATE

TRY

EPI Epichlorohydrin
GDCH Glycerol Dichlorohydrin
MAC Methallyl Chloride
AA Allyl Alcohol
AC Allyl Chloride
TCP Trichloropropane

High-Quality Synthetic Intermediates For High-Yield Organic Syntheses

Technical information and samples are available upon receipt of your letterhead request.

SHELL CHEMICAL CORPORATION
CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE
Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6
Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

Fluorspar, acid grade, bgs., c.i., mines ton 47.50 - —
l.c.l., mines ton 49.50 - —
bulk, contract, c.l., mines ton 42.00 - —
noncontract, c.l., mines ton 45.00 - —
l.c.l., mines ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton 37.00 - —
powd., 90-92% ton 41.00 - —
foundry grade, lump, 55-60%, ton 34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton 37.00 - —
65%, bulk, c.l., mines ton 36.00 - —
60%, bulk, c.l., mines ton 34.00 - —
less than 60% bulk, c.l., mines ton 32.00 - 34.00

Formaldehyde, USP, (inhibited), dms., c.l., E. works lb. .0600- .0625
l.c.l., E. works lb. .0650- .0675
tanks, E. works lb. .0395- .0420
methanol-free (uninhibited), tanks, works lb. .0375- .0400

Tankcar and tankwagon prices above are on a delivered oasis in New England Eastern New York, N. J., Eastern Penna. and part of Delaware in states other than Eastern Seaboard as well as W. of Rockies; prices f.o.b. Texas plants, are .0245 for inhibited and .0225 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .53 - .56
Fuller's earth dom. powd., bgs., c.l., Fla., Ga. mines ton 30.00 —
l.c.l., mines ton 27.00 —
spent, bulk, Bayonne ton 2.00 4.00
imported, bgs., c.l. ton 30.00 40.00
Furfural, tech., dms., c.l., works lb 12 —
l.c.l., works lb 14 —
tanks, works lb 09½ —
Fusel oil, refined, dms., c.l., dlvd lb. .28¾- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .27 - —
Fustic extract, crvst., No. 1, bbls., l.c.l lb. 42½- —
No. 1A, bbls., l.c.l. lb. 41½- —
No. 2, bbls., l.c.l. lb. 40½- —
No. 3, bbls., l.c.l. lb. 38½- —
liquid, No. 0, bbls., l.c.l. lb 22 - —
No. 1, bbls., l.c.l. lb 20½- —
No. 2, bbls., l.c.l. lb 19½- —
No. 3, bbls., l.c.l. lb 17 —
solid, No. 1, bxs., l.c.l. lb. .28 - .40

G

G salt, bbls, frt. alld lb. .66 - —
Galangal root, bls lb. .25 - .30
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .1075- —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .11 - —
Group 3, 82 octane, tanks gal. .10375- .1075
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .124 - .13
natural, 26-70 octane group 3, tanks gal. .05875- —
Gelatin silver label, imported, cs lb 1.15 —
Geisemium root, bls lb. .30 - .32
Gentian root, bls lb. .16 - .18
grd., bbls., bxs lb. .20 - .22
powd., bbls., bxs lb. .21 - .23
Geraniol, extra, cns., dms. lb. 2.60 - 3.20
prime, cns., dms. lb. 2.20 - 2.40
Geranyl acetate, cns lb. 2.60 3.00
Ginger, oleoresin, NF, from African root, bots lb. 7.75 9.50
from Jamaican root, bots lb. 10.50 -14.00
Root, African, bls lb. .42 - .43
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs lb. .54 - .60
Jamaica, No. 1, bgs lb. .66 - .67
No. 2, bgs lb. .64 Nom.
No. 3, bgs lb. .63 - .64
Rhattoon, bgs lb. .50 Nom.
Nigerian, split, bgs lb. .33 - .34
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works, frt. alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .20½- —
65 jellygrams, bgs., c.l., same basis lb. .22½- —
80 jellygrams, bgs., c.l., same basis lb. .24 - —
110 jellygrams, bgs., c.l., same basis lb. .25 - —
130 jellygrams, bgs., c.l., same basis lb. .26 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .27 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd. lb. .22½- —
l.c.l., same basis lb. .23½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd. lb. .26 - .28
122-149, bgs., c.l., dlvd. lb. .27 - .30
150-177, bgs., c.l., dlvd. lb. .28 - .31
178-206, bgs., c.l., dlvd. lb. .29 - .33
207-236, bgs., c.l., dlvd. lb. .30 - .34
237-266, bgs., c.l., dlvd. lb. .31 - .35
267-296, bgs., c.l., dlvd. lb. .32 - .36
299-330, bgs., c.l., dlvd. lb. .33 - .37
331-362, bgs., c.l., dlvd. lb. .34 - .37
363-394, bgs., c.l., dlvd. lb. .35 - .38
395-427, bgs., c.l., dlvd. lb. .36 - .39
428-460, bgs., c.l., dlvd. lb. .37 - .40½
461-494, bgs., c.l., dlvd. lb. .38 - .42
495-529, bgs., c.l., dlvd. lb. .39 - .43
Hide glue, l.c.l., prices 1c. higher than c.l. bbls. ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd. lb. .60 - .65
soaplye, 80%, tanks, dlvd. lb. .55 - .60
dynamite, dms., c.l., dlvd. lb. .44 - .55
l.c.l., dlvd. lb. .44½- .55½
tanks, dlvd. lb. .43½- .54½
high gravity, dms., c.l., dlvd. lb. .44¼- .55
l.c.l., dlvd. lb. .44¾- .45½
tanks, dlvd. lb. .43¾- .44½
refined, BP, 98%, dms., c.l., dlvd. lb. .45½- .47
l.c.l., dlvd. lb. .46 - .57½
tanks, dlvd. lb. .45 - .56½
USP, c.p., 95%, dms., c.l., dlvd. lb. .44¾- .55½
l.c.l., dlvd. lb. .45¼- .56
tanks, dlvd. lb. .44¼- .55
yellow, distilled, dms., c.l., dlvd. lb. .44⅛- .54⅞
l.c.l., dlvd. lb. .45⅛- .55⅞
tanks, dlvd. lb. .43⅛- .54⅞
Glycine USP (see Acid, aminoacetic).
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz. 22.50 -23.00
acid-yellow, bots oz. 20.50 —
Gold of pleasure seed, bgs lb 40 41
Goldenseal root, bls lb. 4.00 - 4.25
powd., bxs lb. 4.50 - 4.75
Gold-sodium chloride, photo, bots oz. 13.00 14.00
USP IX, bots oz. 14.50 -15.50

Grains of paradise, bgs lb. .44 - .55
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2, bgs, whse lb. No prices.
Grease, house, loose, dlvd. lb. .10½- —
White, choice, loose lb. .13½- —
Wool (see Degras and Lanolin).
Yellow, loose lb. .10¾- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 4.50
16-20% bbls. same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .34 - .35
6-10%, bbls., same basis lb. .35 - .36
11-15%, bbls., same basis lb. .36 - .37
16-20%, bbls., same basis lb. .36½- .37½
21-25%, bbls., same basis lb. .37½- .38½
26-30%, bbls., same basis lb. .37¾- .38¾
31-35%, bbls., same basis lb. .38¾- .39¾
36-40%, bbls., same basis lb. .40½- .41½
41-45%, bbls., same basis lb. .42 - .43
46-50%, bbls., same basis lb. .24¼- .25¼
50% and over, bbls., same basis lb. .45¾- .46¾

Green, chrome, reduced color, 5%, bbls., same basis lb. .12¼- —
6-10% bbls., same basis lb. .13¼- —
11-13%, bbls., same basis lb. .13¾- —
14-16%, bbls., same basis lb. .14½- —
17-19% bbls., same basis lb. .14¾- —
20-21%, bbls., same basis lb. .15 - —
22-23%, bbls., same basis lb. .15¼- —
24-25%, bbls., same basis lb. .15¼- —
26-27%, bbls., same basis lb. .15¾- —
28-29%, bbls., same basis lb. .16¼- —
30-31%, bbls., same basis lb. .17¼- —
32-33%, bbls., same basis lb. .18½- —
34-35%, bbls., same basis lb. .19½- —
36-40%, bbls., same basis lb. .41¾- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾- —
56-60%, bbls., same basis lb. .26¼- —
61-65%, bbls., same basis lb. .27¼- —

Fluorspar—Gum, Asphaltum

Green, chrome, reduced color, 66-70%, bbls., same basis lb. .28½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld lb. .95 - 1.05
pure, c.l., bgs., frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb 3.00 —
Tungstic, bbls, works lb 3.40 —
Paris (see P).
Phthalocyanin toner, bbls., works, lb 4.40 5.00
Tungstated, brilliant, kgs. lb 3.00 4.00
Emerald, kgs lb 2.60 —
Grindelia robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb. .60 65
ordinary, cs lb. .49 .51
Wood, bls lb. .35 - .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys lb. 1.90 1.95
Carbonate, dms lb 2.95 - 3.00
Guarana, powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs lb .90 .95
Arabic, amber, sorts, bgs. lb. .13½- .15
powdered, USP, bbls lb. .20½ .21
Asafetida (see A).
Asphaltum (see A).

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Formaldehyde in Alcohol

The practicability of handling a relatively water-free alcohol solution of formaldehyde at regular temperatures in standard equipment has been proven by Celanese research and development groups. Cost savings and convenience of handling are among several advantages this Celanese product offers processors of formaldehyde-alcohol end products.

FORMCEL is a solution of formaldehyde in alcohol. Currently this latest Celanese product is available in semi-works quantities in the following alcohols:

55% Formaldehyde in Methanol
40% " " "
40% " " Propanol
40% " " Butanols

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ACIDS • ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • PLASTICIZERS • SOLVENTS

Gum, Benzoin—Iron Cacodylate

Gum, benzoin, Sumatra, cs.....lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs.....lb. .25 - .26
No. 2, bgs.....lb. .20 - .22
No. 3, bgs.....lb. .17½- .19½
Manila, toba, B, bgs.....lb. No prices.
C, bgs.....lb. .28 - .30
CBB, bgs.....lb. .26 - .27
CNE, bgs.....lb. No prices.
DBB, bgs.....lb. .25 - .28
DK, bgs.....lb. .18 - .24
dust, bgs.....lb. .07½- .09
soft, MA, bgs.....lb. .19 - .21
WS, bgs.....lb. No prices.
Philippine, pale, chips, bgs..lb. .22 - .24
nubs, bgs.....lb. .30 - .32
seeds, bgs.....lb. .19 - .21
sorts, bgs.....lb. .20 - .22
Pontianak, chips, bgs.....lb. .19 - .22
nubs, bgs.....lb. .30 - .32
Dammar, Batavia, A E, bgs....lb. .23 - .25
dust, bgs.....lb. .08 - .10
E, bgs.....lb. .12½- .14½
East India, batu, bold, bgs...lb. .13½- .14½
nubs and chips, bgs.....lb. .07½- .10
bald, bold, bgs.....lb. .13½- .14½
unscraped, bgs.....lb. .11 - .12
nubs and chips, bgs.....lb. .10 - .11
pale, chips, bgs.....lb. .14 - .16
nubs, bgs.....lb. .23 - .26
Singapore, No. 1, bgs.....lb. .34 - .36
No. 2, bgs.....lb. .23 - .25
No. 3, bgs.....lb. .09½- .11
dust, bgs.....lb. .09½- .11
seeds, bgs.....lb. .12½- .13½
Elemi, cns.....lb. .23 - .24

Gum, ester, gum-rosin type, dms., c.l., divd, Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.lb. .12 - .12½
wood-rosin type, dms., c.l., divd, Ill., Ind., etc lb. .12 - .12½
Euphorbium, cs.....lb. .35 - .40
Galbanum, cs.....lb. .75 - .80
Gamboge, pipe, cs.....lb. 1.00 - 1.05
powd., bbls.....lb. 1.15 - 1.20
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1, bbls.....lb. .55 - .56
No. 2, bbls.....lb. .49 - .50
No. 3, bbls.....lb. .44 - .45
Kauri, bgs.....lb. .31½- .32¾
Locust bean, powd., bgs.....lb. .38 - .40
Mastic, cs.....lb 2.25 - 2.50
Myrrh, cs.....lb. .30 - .35
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .16 - .20
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks.....lb. No stocks.
Scammony, cs.....lb. 1.50 1.55
Sterculia (see Gum, karaya).
Talha, bgs.....lb .10 .11
Tragacanth, No. 1, cs.....lb. 3.50 - 3.75
No. 2, cs.....lb. 2.30 - 2.55
No. 3, cs.....lb. 2.00 - 2.25
powdered, USP, bbls.....lb. 1.50 - 1.55
Yacca, bgs.....lb. .06 - —

Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt equald ton.10.50 - —
Harlem river, N Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt equald ton 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater Tex. frt equaid ton 12.50 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton 8.00 - —
Clarence Center, N Y., frt. equald ton 8.00 - —
Fort Dodge, Iowa, frt. equald ton 8.00 - —
Gypsum, Ohio frt equald. ton 8.00 - —
Grand Rapids, Mich., frt. equald ton 8.00 - —
Harlem river, N Y., frt. equald ton 8.00 - —

Gypsum, stucco, paper bgs., c.l., National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N Y., frt. equald ton 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N. H., frt. equald ton 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt equald ton 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs.....lb. .40 - .45
Heliotropin, cryst., cns.....lb. 3.10 - 3.20
Hellebore root, dom., green bls lb. .80 - 1.10
imp., black, whole bls.....lb. .25 - .30
ground, bxs.....lb. .30 - .35
powder, bxs.....lb. .32 - .37
white, whole, bls.....lb. .25 - .30
powder, bxs.....lb. .35 - .45
Helonias root, bls.....lb. 1.85 - 2.10
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, obls., l.c.l.....lb. .44½- —
No 1A, bbls. l.c.l.....lb. .41½- —
No. 2, obls., l.c.l.....lb. .40½- —
No 3, obls., l.c.l.....lb. .38½- —
No 4, bbls., l.c.l.....lb. .36½- —
No 5, obls. l.c.l.....lb .34½- —
paste, No. 1, bbls., l.c.l.....lb. .19 - —
No 2, bbls. l.c.l.....lb. .18 - —
No 3, obls., l.c.l.....lb. .17 - —
No 4, (red), bbls. l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, obls., c.l., works lb. No stocks.
tanks works.....lb. No stocks.
Henbane leaves, bls.....lb. .27 - .35
Henna leaves, bls.....lb .23 .25
powd., bbls., bgs.....lb. .27 .29
Heptane (industrial Bayonne, N J., tanks gal. .17 - —
group 3, tanks gal 12½- .13½
Hesperidine methylchalcone, bots., works lb.50.00 - —
Hexalin (see Cyclohexanol)
Hexamethylenetetramine, tech., bgs., c.l., Perth Amboy or N.Y.C. lb. .23 - —
l.c.l., same basis.....lb. .25 - —
bbls., c.l., same basis.....lb. .23½- —
l.c.l., same basis.....lb. .25½- —
USP, dms., 500 lbs. or more, same basis lb. .39½- —
smaller lots, same basis ...lb. .40½- —
Hexamine (see Hexamethylene tetramine)
Hexane (industrial group 3, tanks gal. .148 - —
Bayonne, N. J., tanks.....gal. .17 - —
Hexanol, normal, dms., c.l., works lb. .31½- —
l.c.l., works.....lb. .32 - —
tanks, works.....lb. .30 - —
Hexyleneglycol, dms., c.l., divd lb. .14¼- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload works. lb. .71 - —
Hexylresorcinol, USP, dms., 50 lbs. up, frt. alld.....lb.17.00 - —
works.....lb.15.00 -17.00
smaller lots, frt. alld.....lb.18.00 —
works.....lb.18.00 -20.00
Histamine diphosphate, USP bots kilo.375.00 —
Histidine hydrochloride—laevo, NF, 5lb dms, 50 kilo lots works kilo.100.00 -120.00
1-5 kilos, works kilo.110.00 -130.00
Homatropine hydrobromide, USP bots oz.15.00 -16.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF, bots.....oz.13.00 -16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.25 - —
Hops, NF bls.....lb .40 .45
Horehound herb, bls.....lb. .15 - .16
Hydrangea root, bls.....lb .14 .17
Hydrastine, bots.....oz.31.00 -37.00
Hydrochloride, NF, bots.....oz.29.50 -36.00
Sulphate, bots.....oz.35.00 -37.00
Hydrastinine 10-grain bots... bot 1.95 —
Hydrastis (see Goldenseal).
Hydroturamide dms. 5lb. cms., works lb .30 .40
Hydrogen chloride, anhyd., 50-lb. cyl., works lb. .50½- .55½
Peroxide, USP, bbls.....lb. .03¾- .05
35%, cbys., same basis.....lb. .24½- .25½
dms., c.l., same basis.....lb. .21½- —
l.c.l., same basis.....lb. .22 - .26½
tanks.....lb. .20¾- —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone (photographic, bbls., dms lb .90 —
tech dms lb .70 —
Hydroxycitronellal, cns.....lb. 8.50 - 8.65
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots.....oz.15.75 -16.00
Hydrobromide, bots.....lb 16.50 -18.00
Sulphate, bots.....oz.12.50 -13.00
Hypermic extract, cryst., No 1, bbls., l.c.l lb .56 —
No 2, bbls, l.c.l.....lb .48 —
liquid No. 1, bbls., l.c.l.....lb .30 —
No 2, bbls., l.c.l.....lb .25 —
solid No 1 bxs., l.c.l.....lb .44 —
Hyssop herb, bgs.....lb. .40 - .45
leaves bgs.....lb .45 .50

I

Iceland moss, bgs.....lb .35 .40
Ichthammol, NF, dms.....lb. .60 - .75
Indian red (see Red Indian).
Indigo, nat., chests.....lb 2.14 2.16
synth, paste, bots.....lb .23 —
powd, bbl.....lb 1.03 —
Indol, CP, bots.....lb.17.50 -21.00
Inositol dms, divd.....lb 4.90 —
tins, divd.....lb. 5.00 - —
Insect flowers (see Pyrethrum)
Iodine, crude, kgs.....lb. 1.70 - 1.73
resubl., USP, bots., jars.....lb. 2.55 - 2.78
Iodochlorohydroxyquinolin NF dms lb. 6.50 - —
Idoform, NF, dms., kgs.....lb. 4.70 - 4.85
Ionone, alpha, cns.....lb. 6.10 -14.00
beta, cns.....lb 3.65 -10.00
Ipecac root, bgs.....lb. 5.50 - 5.75
powd., bgs.....lb. 5.75 - 6.00
Irish moss, bleached, prime, bls lb. .22 - .24
Iron acetate liquor, 2lb obls., c.l., works lb .09 —
t.c.l. works lb 09¾ —
solut., USP IX, cbys.....lb 16 —
tins.....lb 17 —
Cacodylate, NF, bots.....lb.13.50 -14.50

5 new products from WITCO research

In line with its policy of developing new chemicals that will help improve your products, Witco now offers these five new products:

Stabilizers #40 and #70—Two outstanding new products for the stabilization of the effects caused by light and heat on vinyl resins.

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Witco 6% Calcium Naphthenate—Gives high concentration metal content with less than A viscosity. It has unusually good compatibility with solvents, drying oils, and resins.

Witco Lacquer Grade Zinc Stearate #1—Has outstanding sanding qualities and maximum flatting, combined with good film hardness and minimum thickening on grinding.

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Asphalt
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Sound Deadeners
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Copper Oleate
Copper Naphthenate
Driers
Lead Naphthenate
Cobalt Naphthenate
Calcium Naphthenate
Manganese Naphthenate
Zinc Naphthenate
Iron Naphthenate
Lead Octoate
Cobalt Octoate
Calcium Octoate
Manganese Octoate
Zinc Octoate
Lead Resinate
Lead Oleate
Manganese Oleate
Metallic Stearates
Aluminum
Barium
Cadmium
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SAN FRANCISCO • AKRON • LONDON AND MANCHESTER, ENGLAND

Iron chloride (ferric), anhydr., tech., dms., c.l., works.. 100 lbs. 6.75 - —
l.c.l., works ..... 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works. 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 6.00
USP, dms., works ..... lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms..... lb. .77 - .80
Gluconate, NF, dms..... lb. .83 - .95
Glycerophosphate, N.F., powd.. lb. 4.45 - 4.55
Hypophosphite, NF, dms ..... lb. 2.80 - —
Iodide, bgs..... lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld.. lb. .23¼- —
Oxalate, gran., dms..... lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .78 - .91
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .24½- —
Stearate, dms., c.l..... lb. .39 - —
ton lots ..... lb. .40 - —
less ton lots..... lb. .41 - —
Sulphate, partially hydrated, bgs., c.l., works..ton.30.00 - —
l.c.l., works .....ton.31.00 - —
ferrous, tech (see Copperas)
USP, cryst, bbls., dms .. lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms .. lb. .55 - .58
Oxalate, dms ..... lb. .25½- .28½
Iron-potassium oxalate fine gran., dms..lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isoborneol, cns. ..... lb. .84 - .95
Isobornyl acetate, cns ..... lb. .77 - .97
Isobutyl acetate, cns ..... lb. .72 - 1.25
Methacrylate, dms., works..... lb. .60 - —
Propionate, cns ..... lb. No prices.
Isobutyraldehyde, dms., works.. lb .50 - .52
Isoeugenol, cns..... lb. 3.50 - 3.85
Isopentane, dms., works ..... lb. .45 - .55
Isophorone, dms., c.l., works.... lb. .24¼- —
l.c.l., works..... lb. .24¾- —
tanks, works..... lb. .22½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld.. lb. .11¾- .12¾
l.c.l., same basis..... lb. .12½- .13½
tanks, same basis..... lb. .10 - .11
Alcohol (see Alcohol, isopropyl)
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works .. lb .20 - —
l.c.l., works ..... lb .40 - —

J

Jaborandi leaves, bls..... lb. .15 - .20
Jalap root, NF, bls ..... lb. .43 - .45
powd., bbls., bxs..... lb. .48 - .50
Juniper berries, bgs..... lb. .17 - .20
Tar, dms. ..... lb. .40 - .65

K

Kamala, powd., cns..... lb. .80 - .90
Kaolin (see China clay).
Kava kava root, bls ..... lb. .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w w., tanks gal. .09 - —
Bayonne, 41-43 s.g., w w., tanks. gal. .101 - —
California, 40-43 s.g., w.w., tanks..gal. .116 - .122
Gulf ports, 41-43 s.g., w.w., tanks..gal. .0875- .0925
Okla.-Tex. 41-43 s.g. w w tanks gal. .08875- .0925
Penn., Western, 45 s.g., w.w., tanks .gal. .10 - .105
Kola nuts, bgs ..... lb. .09 - .10
Kyanite, imp. low iron content, 10 mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls. ..... lb. 1.45 - 1.50
Lanolin anhyd., cosmetic, dms., works lb. .32 - .34
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous ..... lb. .27 - .29
Lard, cash, trcs., Chicago..... lb. .1350 Nom.
Larkspur seed, bgs ..... lb .20 - .25
Laurel berries, bls ..... lb .25 - .26
Leaves, Greek, bls..... lb .08 - .08½
Portuguese, bls..... lb. .10 - .11
Turkish, bls..... lb. .12 - .12½
Yugoslavian, bls. ..... lb. .08½- .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls. ..... lb. .20 - .25
select, bls lb .60 - .65
Lead acetate, white, crystals, bbls., lb. .21 - —
gran., bbls..... lb. .22 - —
powd., bbls ..... lb. .22 - —
USP, cryst., dms..... lb. .26 - —
gran., powd., dms..... lb. .27 - —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over.. lb. .28 - —
l.c.l., frt. alld ..... lb. .29 - .30
1-lb. bgs., c.l..... lb. .41 - —
l.c.l. ..... lb. .42 - .43
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.. lb. .16¾- —
l.c.l., works ..... lb. .17¾- —
Carbonate (see Lead, white).
Chloride, dms. ..... lb. .39 - —
Iodide, NF V, tars ..... lb 5.30 - —
Linoleate, precip., 26.15%, dms., lb. .34 - —
Metal, pigs, prime, N. Y..... lb. .16 - —
St. Louis ..... lb. .1580- —
Metallic paste, dms., 20,000-40,000 lbs., works..lb. .32½- —
10,000-20,000 lbs., same basis, lb. .33 - —
2,000-10,000 lbs., same basis.lb. .33½- —
200 to 2,000 lbs., same basis.lb. .34 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd..lb. .16¾- —
24% Pb, dms., dlvd..... lb. .22¾- —
37% Pb, dms., dlvd..... lb. .29¾- —
Nitrate, bbls., c.l..... lb. .20 - —
l.c.l. ..... lb. .20¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works..lb. .31¾- —
60% PbO, dms., works.....lb. .30¼- —

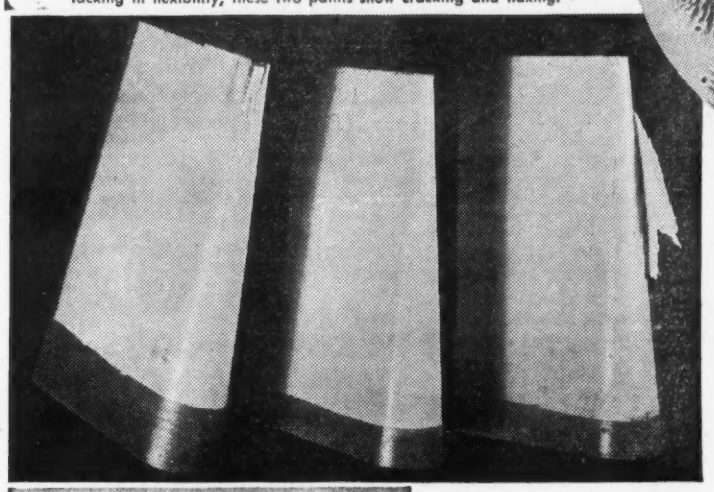
Lead peroxide, powd., tech., bbls. lb. .40 - .41
Phthalate, dibasic, dms., works. lb. .40½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .18¾- —
l.c.l., same basis..... lb. .19¾- —
97% Pb_3O_4, bbls., c.l., same basis..lb. .19 - —
l.c.l., same basis..... lb. .20 - —
98% Pb_3O_4, bbls., c.l., same basis..lb. .19¼- —
l.c.l., same basis ..... lb. .20¼- —
Resinate, precip., dms., dlvd..lb. .27 - —
Salicylate, normal, dms., works lb. .43½- —
Silicate, bgs., l.c.l., ship't pt., frt. alld..lb. .1805- .1875
Stearate, dibasic, dms., works..lb. .53 - —
precip., bbls., c.l..... lb. .39 - —
ton lots ..... lb. .40 - —
less ton lots..... lb. .41 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works..... lb. .27½- —
Tallate, liquid, 16% Pb, dms.. lb. .13½- .14½
24% Pb, dms ..... lb. .17¾- .19
White, basic carbonate, bgs., c.l., ship't point, frt. alld.. lb. .17¾- —
l.c.l., same basis..... lb. .18¾- —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .15¾- .20¼
l.c.l., same basis..... lb. .16¾- .21¼
basic sulphate, bgs., c.l., ship't point, frt. alld.. lb. .16¾- —
l.c.l., same basis..... lb. .17¾- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works..lb. .16½- —
l.c.l., same basis ..... lb. .17½- —
unbleached, c.l., same basis.lb. .15½- —
l.c.l., same basis..... lb. .16½- —

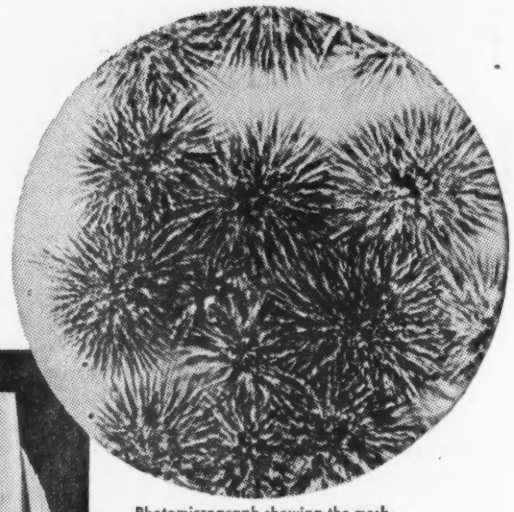
Lemon peel, bls..... lb. .18 - .20
Leucine dextro-laevo, dms., works. lb.12.25 -15.00
Licorice extract, mass, cns..... lb. .40 - .45
powd., bbls..... lb. .55 - —
Root, bls..... lb. .08 - .09
5-lb. bundles, cs..... lb. .40 - .45
powd., bbls..... lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works..ton.13.00 -13.50
chemical (quicklime), lump pebble, bulk, Adams, Mass.ton 10.00 - —
Annville, Pa. ..... ton.10 50 - —
Bellefonte, Pa. ..... ton.10.50 - —
Buffalo N Y..... ton 10.00 - —
Carey, Ohio ..... ton 7.00 - —
Cedar Hallow, Pa ....ton.10.50 - —
Farnams, Mass. ..... ton 14.00 - —
Gibsonburg, Ohio... ton 9.50 - —
Hannibal, Mo ..... ton 7.50 - —
Keystone, Ala ..... ton 9.75 - —
Knoxville, Tenn.....ton 9.75 - —
Limedale, Ark ..... ton 9.00 - —
Longview, Wa .....ton. 9.75 - —
Martinsburg W Va ton 10.00 - —
Menominee, Mich ton 8.00 - —
Mitchell, Ind. ..... ton 7.50 - —
Rockland, Maine ... ton 9.00 - —
Scioto, Ohio ..... ton 7.50 - —
Sherwood, Tenn.....ton 10.00 - —
Sherwood, Wis. ..... ton 8.50 - —
Woodville, Ohio ... ton 9.50 - —
York, Pa ..... ton 10.50 - —
Hydrated, paper bgs., Adams, Mass ton.11.50 - —
Annville, Pa ..... ton 13.50 - —
Bellefonte, Pa ..... ton 13.50 - —
Buffalo, N Y.....ton.13.50 - —
Carey, Ohio ..... ton 9.00 - —
Cedar Hollow, Pa ....ton.13.50 - —

Lime, hydrated, paper bgs., Engle, W. Va..ton.13.00 - —
Farnams, Mass ..... ton.14.00 - —
Gibsonburg, Ohio.....ton. 9.50 - —
Hannibal, Mo ..... ton 9.50 - —
Keystone, Ala ..... ton.13.00 - —
Knoxville, Tenn..... ton 12.25 - —
Limedale, Ark ..... ton.10.50 - —
Longview, Ala ..... ton.13.00 - —
Manistique, Mich .... ton 9.50 - —
Marblehead, Ohio.....ton.10.50 - —
Mitchell, Ind. ..... ton.10.00 - —
Petoskey, Mich ..... ton 10.00 - —
Port Island, Mich .... ton. 9.00 - —
Rapid City S Dak.. ton 12.00 - —
Rockland, Maine ..... ton 9.00 - —
Scioto, Ohio ..... ton 9.00 - —
Sherwood, Tenn. .... ton.13.00 - —
Sherwood, Wis. ..... ton 10.00 - —
Springfield, Mo. ..... ton 9.00 - —
Woodyville, Ohio ..... ton 8.50 - —
York, Pa ..... ton 13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ..... ton.13.50 - —
Bellefonte, Pa .....ton.13.50 - —
Carey, Ohio .....ton.11.00 - —
Engle, W va .....ton.13.00 - —
Farnams, Mass. .....ton.14.00 - —
Gibsonburg, Ohio .....ton.10.00 - —
Marblehead, Ohio ....ton.10.00 - —
Rockland, Me .....ton.10.00 - —
Scioto, Ohio .....ton.10.00 - —
Woodville, Ohio .....ton.10.00 - —
York, Pa .....ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton 3.50 4.00

"lead" plasticizes a paint film

Center: Typical "lead"-containing paint demonstrates good flexibility—bends without cracking. Left and Right: Too brittle and lacking in flexibility, these two paints show cracking and flaking.





Photomicrograph showing the meshing of the spiney lead soap crystals.

—that's why house paints containing "lead" remain tough and flexible

"LEAD" LENGTHENS THE LIFE OF PAINT BECAUSE:

It Stabilizes—neutralizes acidic compounds resulting from the decomposition of the vehicle—prevents the film from becoming soft or liquefying.

•

It Plasticizes—forms lead soaps which increase film flexibility.

•

It Strengthens—flexible, spiney crystals in lead soaps mechanically reinforce the film and increase elastic strength.

•

It Resists Water—paint films with an optimum lead pigment content absorb only a small fraction as much water as they otherwise would.

Without a plasticizer—an agent that insures prolonged flexibility—paint, like any other plastic, would soon become hard and brittle. That's one of the reasons why white lead pigments are vital to multi-pigment house paints.

Lead soaps, formed by the reaction of lead pigments with the vehicle, are ideal plasticizers. They prevent cracking under normal stresses—allow the paint film to adhere tightly to the surface it protects and at the same time stretch and contract with any dimensional changes of that surface.

White lead pigments permit the formulation of paints which are not only tough and flexible initially but *remain* so throughout their entire life.

Use "lead" in your paints. And use enough of it to take full advantage of the many desirable qualities that white lead pigments impart—qualities which mean better paints, greater consumer satisfaction and larger sales.

For detailed information on the most effective use of "lead" in your paints... write to *Lead Industries Association, 420 Lexington Avenue, New York 17, N.Y.*

6683

Linalool—Methyl Acetone

Linalool, ex bois de rose, cns....lb. 5.45 - 5.80
ex lignaloe wood, cns....lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots....lb. 5.50 - 6.00
96-98%, bots....lb. 6.35 - 7.25
ex petitgrain bots....lb 4.25 6.00
Lindane, 25%, cns., works....lb. 3.00 - 3.05
dms. works....lb 2.95 —
Linden flowers with leaves, bls...lb. .25 - .30
without leaves bls lb .22 .28
Linseed meal, expeller, 34% bulk, Midwest mills...ton.56.50 - —
extracted, 34%, same basis...ton.54.50 -55.00
Litharge, com'l, pewd. bbls. c.l., ship't point, frt. alld...lb. .17¾- —
l.c.l., same basis....lb. .18¾- —
Lithium benzoate, dms....lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs....lb. 1.05 - 1.15
Chloride, cryst., dms....lb. .93 - —
Citrate, NF, bbls., dms., kgs. lb. 1.05 - 1.40
Fluoride, bbls....lb. 1.80 - 2.00
Hydride, dms., works....lb.14.00 -18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms....lb. 1.62 - 1.70
Lithopone, ordinary, bgs. c.l. dlvd. lb. .07 - —
l.c.l., dlvd....lb. .07¾- .08
Titanated (high-strength), bgs. c.l., dlvd lb. .09 - —
l.c.l., dlvd....lb. .10 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls....lb. 70 - 75
Lobelia herb, bls....lb. .55 - .56
leaves, NF....lb. .80 - .85
Lobeline sulphate, bots., works oz.34.00 -38.00

Logwood extract, crystals, No. 1, bbls., l.c.l....lb. .38½- —
No. 2, bbls., l.c.l....lb. .36½- —
liquid, No. 1, bbls., l.c.l....lb. .18½- —
No. 2, bbls., l.c.l....lb. .17½- —
No. 3, bbls., l.c.l....lb. .17 - —
No. 4, bbls., l.c.l....lb. .16½- —
solid, No. 1, bxs., l.c.l....lb. .33 - —
No. 2, bxs., l.c.l....lb. .31 - —
No. 3, bxs., l.c.l....lb. .28½- —
No. 4, bxs., l.c.l....lb. .28 - —
No. 5, bxs., l.c.l....lb. .26½- —
No. 6, bxs., l.c.l....lb. .44½- .49½
Lovage root, imported, bls....lb. .75 - .80
Lupulin, tins....lb 1.95 2.00
Lycopodium, cs....lb. 1.35 - 1.50
Lysine hydrochloride, dextro-laevo bots. kilo.145.00 -149.00

M

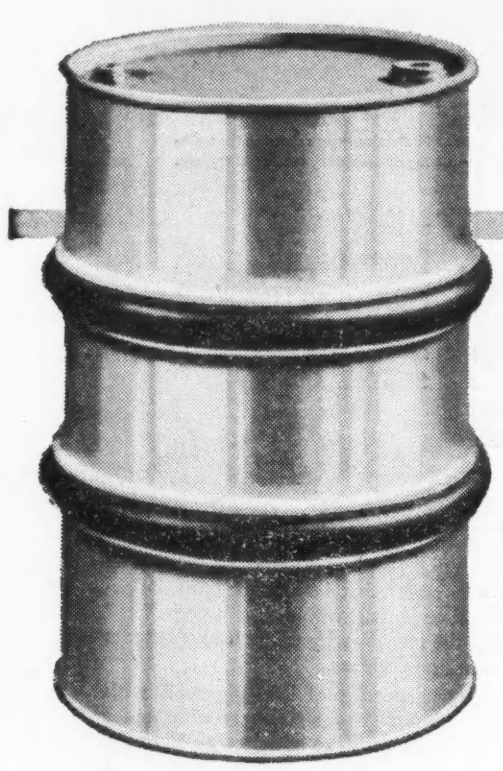
Mace, Amboina, bls....lb. No prices.
Banda, No. 1, bls., afloat....lb. 2.00 - 2.05
Siauw, No. 1, bls....lb. 1.45 - 1.50
West Indian, cs....lb. 1.45 - 1.50
November-December shipment. lb. 1.35 - —
broken, cs., December delivery....lb. 1.30 - 1.35
Madder Dutch, bgs....lb .29 .32
Magnesia, calcined, tech., ctns., works lb. .32 - .34¼
synth., rubber grade, ctns., works. lb. .31 - —
USP, light ctns....lb. .34 - —
heavy, bbls....lb. .36 - —
Magnesium arsenate, bgs., cans, works. lb. .20 - .30
Bromide, jars....lb. .90 - 1.00
Magnesium carbonate, tech., bgs., c.l., frt. equald....lb. .09½- —
l.c.l., frt. alld....lb. .10½- —
bbls., c.l., frt. equald....lb. .10¾- —
l.c.l., frt. alld....lb. .11¾- —
kgs., c.l., frt. equald....lb. .12 - —
l.c.l., frt. alld....lb. .13 - —
USP, bgs., c.l., frt. equald....lb. .11¼- —
l.c.l., frt. alld....lb. .12¼- —
bbls., c.l., frt. equald....lb. .11¾- —
l.c.l., frt. alld....lb. .12¾- —
kgs., c.l., frt. equald....lb. .13 - —
l.c.l., frt. alld....lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N Y C. on all other destinations.
Chloride, anhyd., dms., works.. lb. .12¼- —
flake, bbls., c.l., works....ton.45.00 - —
l.c.l., works....ton.49.00 -51.00
Gluconate, dms., cns....lb. 1.88 - 1.93
Glycerophosphate, dms., works.lb. 5.10 - 5.20
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms....lb. 1.60 - —
Laurate, bbls....lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½- —
sticks, cs., works, frt. alld, on carlots...lb. .44 - —
Oleate, fused, bbls....lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works....lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works....lb. .09 - .10
Stearate, ctns., c.l....lb. .40 - —
smaller lots....lb. .41 - .42
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots....lb. .50 - —

Magnesite, chemical grade, bgs., c.l., works, frt. equald...ton.72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash...ton.36.30 - —
Maleic anhydride, dms., c.l., dlvd., lb. .32 - .35
l.c.l., dlvd....lb. .33 - .36
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls....lb. 1.00 - 1.20
Blue, bls....lb. .95 1.10
Leaves, bls....lb. .38 - .40
Mandrake root, bls....lb. .50 - .52
Manganese acetate, bbls....lb. .32 - —
Arsenate, bgs....lb. .12 - .12½
Borate, tech., bbls....lb .23 - —
Carbonate, bbls., works....lb. .21 - —
Chloride, anhyd., dms works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works...ton.78.00 - —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns....lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms.lb. 4.25 - 4.45
Hydrate, bbls., works lb. .34 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd. East....lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld...lb. .24½- —
Oleate, precip., bbls....lb. .33½- —
Resinate, fused, 3½% Mn., dms. lb. .20½- —
precip., dms....lz. .22½- —
Stearate, ctns., c.l....lb. .40 - —
smaller lots....lb. .41 - .42
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S E ton.66.00 - —
l.c.l., dlvd. S. E ton.73.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼- .07
75%, bgs., c.l., dlvd. S E ton.76.00 - —
l.c.l., dlvd. S. E ton.83.00 - —
Tallate, 6%, dms....lb. .20¾- —
Mangrove bark, S. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock..ton.52.00 -53.00
Manna, flake, large, cs lb. 1.10 - 1.35
small, cs....lb. .85 - 1.00
Mannitol, com'l, dms., works....lb .42 - .43
reagent, 50-lb. dms., works....lb. .85 - —
Marjoram, Argentine, bls....lb. No stocks.
Bohemian, bls....lb. .42 - .43
Chilean, bls....lb. .37 - .38
French, bls., afloat....lb. .44 - .44½
Peruvian, bls....lb. .32 - .34
Matico leaves, bls lb .25 .33
Melamine, bgs. ton lots, works. lb .33 - —
500 lbs. or more, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots gram .06½- —
Menthol, natural, USP, bots....lb.10.80 -11.00
synthetic, USP, racemic cns lb 7.25 Nom.
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld. lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld. lb. .42 - —
less ton lots, same basis..lb. .44 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb 2.13 2.15
Chloride (see Calomel).
Iodide, red, NF, fib., dms....lb. 4.22 - —
yellow, NF, fib. dms....lb. 4.37 - —
Meta (see Quicksilver)
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow mercury oxide)
USP, fib dms. lb 2.44 2.46
Mesityl oxide, dms., c.l., dlvd. lb. .13¼- —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works....lb. .78 - 1.00
Metachloraniln, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .65 - —
l.c.l., works....lb. .66 - —
Metanitroanilin, dms., frt. alld....lb. .97 - —
Metaparatsopropylphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb 20 - —
Metanitroparatoluidin, bbls....lb. 1.44 - —
Metaphenylenediamine, kgs., frt. alld. lb. .24 - —
Metatoluidine, bbls., c.l., works, frt. alld. lb. .78 - —
l.c.l., same basis....lb. .80 - —
tankcars, same basis....lb. .76 - —
Metatolylenediamine, kgs., frt. alld. lb. .80 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .68 - —
l.c.l., frt. alld....gal. .79 - —
tanks, frt. alld....gal. .60 - —
Prices on natural methanol W. of Miss. 3c. higher.
Synthetic, zone 1, dms., c.l., frt. alld. gal. .41 - —
l.c.l., frt. alld....gal. .46 - —
tanks, frt. alld....gal. .29 - —
zone 2, dms., c.l., frt. alld. gal. .46½- —
l.c.l., ex whse....gal. .51 - —
tanks, frt. alld....gal. .32½- —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib., dms., same basis lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl abietate non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼- —
l.c.l., same basis lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W Va., N C., Ohio., Ky., Mich., Ind. Ill., Wis., St. Paul and Minneapolis, Minn. St. Louis, Mo., Miss. Ala., Ga., Fla., S. C. and Tenn.
Acetoacetate, dms., c.l., dlvd. lb. .53 - —
l.c.l., dlvd....lb. .54 - —
tanks, dlvd....lb. .51½- —
Methyl acetoacetate prices frt. alld. W. ½c. higher.
Acetone, natural, dms., c.l., E. of Miss., frt. alld. gal. .57 - —
l.c.l., same basis....gal. .68 - —
tanks, same basis....gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., works, frt. alld. E. gal. .62 - —
l.c.l., works, frt. alld. E. gal. .67 - —
tanks, works, frt. alld. E. gal. .50 - —
Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

RUBBER ROLLING HOOPS
AND SPECIAL CHIME CONSTRUCTION OF

U·S·S Stainless Steel Drums

MEAN EXTRA PROTECTION AND EASE OF HANDLING



• U·S·S Stainless Steel Drums, the *preferred* containers of shippers and manufacturers all over the country, are now available with rubber rolling hoops and a special chime construction for easier handling and longer service life. These products are typical of the extra features that are available to container users as a result of constant research, extensive manufacturing experience and modern production facilities of the United States Steel Products Company.

"It's Better to Ship in Steel"

RUBBER ROLLING HOOPS

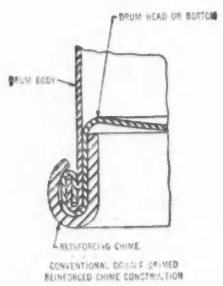
- Protect drum and contents from shock
- Facilitate handling of drum
- Prolong life of the drum
- Dampen handling noises
- Last indefinitely . . . will not lose shape
- Will not mark or mar plant, warehouse or customers' floors
- Save money . . . added cost is saved many times through extra protection and added service life.

The rubber rolling hoop is our own specially-designed and patented device, but licenses for its use are now available from us. Although rubber rolling hoops are used principally on 55-gallon stainless steel drums, they have also been approved for Type ICC-5 carbon steel and galvanized drums.

OTHER U·S·S STEEL CONTAINERS AVAILABLE, IN CAPACITIES FROM 2½ TO 110 GALLONS:

GALVANIZED
TINNED
DECORATED
PAINTED
LINED

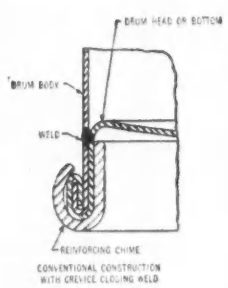
There's a U·S·S Steel Container for every industrial need!



CONVENTIONAL DOUBLE SEAMED REINFORCED CHIME CONSTRUCTION

SPECIAL CHIME CONSTRUCTION

A special crevice weld (patent applied for) can be used in the construction of our Stainless Steel Drums. This construction has the advantage of sealing off the crevice or aperture which results from a conventional type of double-seamed construction. Thus no commodity or material in the containers can enter the double seam, to be trapped within the joint.



CONVENTIONAL CONSTRUCTION WITH CREVICE CLOSING WELD

UNITED STATES STEEL PRODUCTS COMPANY

30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

Los Angeles and Alameda, Calif. · Beaumont and Port Arthur, Texas · Chicago, Ill.

New Orleans, La. · Sharon, Pa.

USS TRADE MARK

UNITED STATES STEEL

Methyl acrylate, dms., c.l., and truckload, works..lb. .50 - —
less than truckload, works..lb. .50½- —
Alcohol (see Methanol).
Anthranilate, cns., 100 lbs. or more..lb. 2.25 - 2.30
extra cns. .....lb. 4.00 - 4.40
Benzoate, cns., dms.....lb. .45 - .63
Bromide, dealers, cns.....lb. .69 - .71
cyls. .....lb. .60 - .78
Chloride, indust., cyl., works..lb. .18 - .18½
tanks, multi-unit, works...lb. .13½- .14
single-unit, works.....lb. .11 - .11½
refrigerator mfrs. cyls., dlvd. lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns.....lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works. lb. .28½- —
l.c.l., works .....lb. .30 - —
tanks, works.....lb. .27 - —
Formate, refd., dms.....lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .06 - —
tanks, works .....lb. .07 - —
Iodide, bots., works.....lb. 3.65 - 4.75
cbys., works .....lb. 2.80 - 3.00
Lactate, dms., l.c.l., works..lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 2.20
fib. dms. .....lb. 1.90 2.00
Roseanilin chloride, USP, bot. lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs..lb. .45 - —
cans, 50 lbs .....lb. .50 - —
Testosterone, USP, 100 gms..gm. 3.50 - —
Methylheptin carbonate, bots....lb.35.00 -40.00
Methylal, refined 95%, dms., c.l., works lb. .11 - —
l.c.l. works .....lb. .12 - —
tanks, works .....lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd.....lb. .16¼- —
tanks, dlvd.....lb. .13½- —
Ketone, dms., works.....lb. 1.05 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .66 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .87
Standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld..lb. .61 - —
2,000 lbs and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs lb. .66 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted..lb. 3.25 - —
smaller lots kgs. same basis lb. 3.40 - 3.60
Chloride indust. dms. c.l. dlvd E lb. .12 -
l.c.l. dlvd. E .....lb. .13½- —
tanks dlvd. E .....lb. .11½- —
Ketone, dms., c.l., dlvd.....lb. .11¾- —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .10 - —
Methylionone A, cns.....lb 6.55 8.00
D, cns .....lb 7.50 9.55
Prime cns .....lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd.....lb. .13¾- —
l.c.l., dlvd. .....lb. .14½- —
tanks, dlvd. .....lb. .12 - —
Methylnapthyl ketone, cns..... lb. 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.51 - —
less than 250 lbs., dms., dlvd..lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03¾- —
roofing, 20 to 60 mesh, works.lb. .03¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l. ex whse., or frt alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E..lb. .05¾- —
l.c.l. ex whse. or frt alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E..lb. .07¼- —
l.c.l. ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l. ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l. ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l. ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher
Milk powder, skimmed, roller bbls., c.l lb. .10½ .10⅝
spray, bbls. c.l .....lb. .12¾ .12⅝
Whole, roller bbls., c.l..... lb. .28 .33
spray, bbls., c.l. .....lb. .28½ .35½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾- —
200-1,800-lb. lots lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots .....lb. .26¾- —
200-1,800-lb. lots .....lb. .27¼- —
Mineral spirits (see Petroleum mineral spirits)
Molasses, blackstrap, tanks.....gal. .26½- .27½
New Orleans, tanks.....gal. .26½- —
Molybdate orange (see Orange molybdate).
Molybdenum metal 90% Mo., powd., kgs lb 2.60 3.00
Trioxide, pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb 80 - —
Monochlorobenzene, dms. c.l. frt alld., or dlvd..lb. .09½- —
l.c.l., same basis.....lb. .10½- —
tanks, same basis .....lb. .06 - —
Monochlorobenzene prices in the West, 1¾c. higher.
Monoethanolamine, dms. c.s., frt. alld. E..lb. .28¾- —
l.c.l., same basis.....lb. .29¾- —
tanks, same basis.....lb. .27 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾- —
l.c.l. same basis .....lb. .22¾- —
tanks, same basis .....lb. .20 - —
Monoethyloithotoluidine, bbls....lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E..lb. .26¼- —
l.c.l., same basis.....lb. .27¼- —
tanks, same basis.....lb. .24¼- —

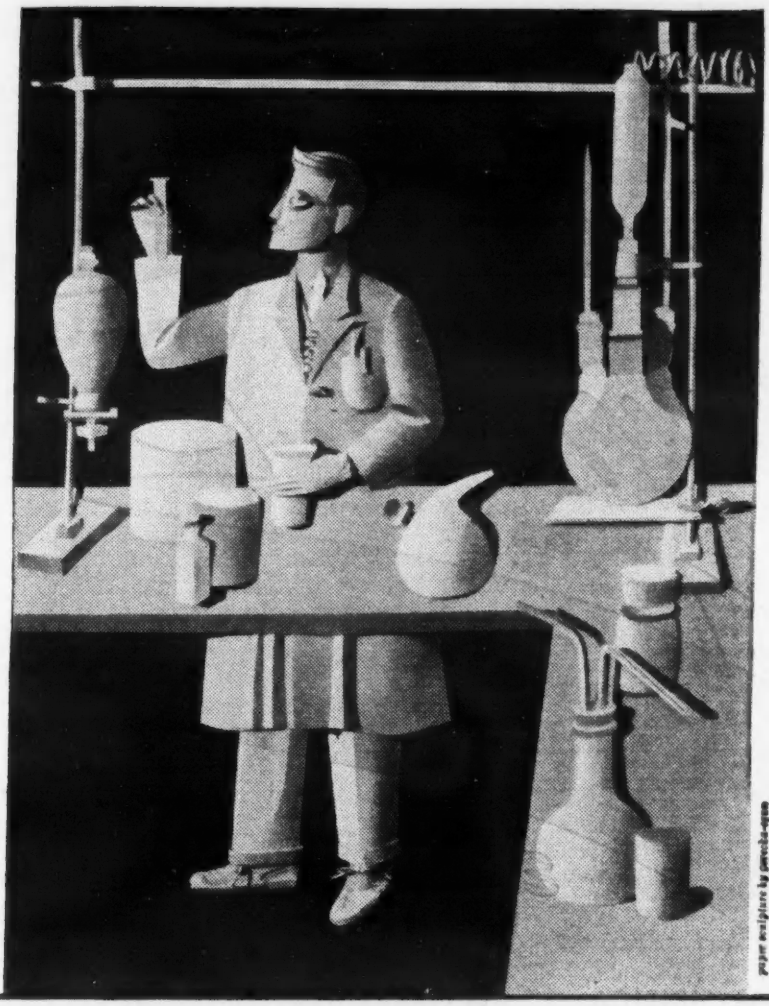
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .33 - —
l.c.l., same basis.....lb. .35½- .38
tanks, same basis.....lb. .31 - —
Monononylnaphthalene, dms., c.l., works..lb. .14 - —
l.c.l., works .....lb. .13 - —
tanks, works .....lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - —
tanks, works.....lb. .49 - —
Morphine, cns. .....oz.12.40 -12.60
Acetate, cns. .....oz. 9.85 9.90
Hydrobromide, cns. .....oz. 9.80 9.90
Hydrochloride, NF, cns .....oz. 9.90 10.00
Sulphate, USP, cns .....oz. 9.90 -10.00
Morpholine, dms., c.l., works....lb. .80½- —
l.c.l., works .....lb. .61 - —
tanks, works .....lb. .59 - —
Mountain ash berries, bgs.....lb. .65 - .75
Mullein flowers, cs.....lb. 1.15 - 1.20
Leaves, bls. .....lb. .21 - .25
Musk, natural, Tonquin, grains, bots. oz.25.00 -30.00
synthetic—Ambrette, 100 lbs., fib. dms..lb. 5.40 - —
25 lbs., cns.....lb. 5.50 - —
5 lbs., cns.....lb. 5.63 - —
Ketone, 100 lbs., fib. dms.....lb. 4.95 - —
25 lbs., cns.....lb. 5.05 - —
5 lbs., cns.....lb. 5.20 - —
Xylol, 100 lbs., fib. dms.....lb. 1.40 - —
25 lbs., cns.....lb. 1.45 - —
5 lbs., cns.....lb. 1.55 - —

Musk root, bls.....lb. No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source..lb. .09½- .09¾
Dutch yellow, bgs., futures..lb. .15 - .15½
November shipment.....lb. .14 - —
English, yellow, bgs .....lb. .15 - .15½
Montana, brown, Sept.-Oct., bgs., source..lb. No prices.
Oriental, Sept.-Oct., bgs., source..lb. No prices.
yellow, Sept. Oct., bgs. source..lb. No prices.
Washington, yellow, source, bgs. lb. No prices.
Myrobalans, J1, assorted, bgs., ex dock..ton.46.00 -48.00
crushed, bgs., ex dock.....ton.72.00 - —
J2, bgs., ex dock.....ton.38.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld..lb. .0525- —
78°, dms., c.l., same basis..lb. .0665- —
l.c.l., same basis.....lb. .0560- —
tanks, same basis.....lb. .0375- —
refined, industrial, bbls., c.l., frt. equald..lb. .10¼- —
bgs., c.l., same basis....lb. .09¾- —
tanks, same basis.....lb. .09¼- —
balls, flakes, wholesalers, jobbers, bbls. c.l., same basis..lb. .13 - —
cs., 50 lbs., c.l., same basis..lb. .13¼- —
1-lb. pkgs. c.l., same basis..lb. .15½- —

Naphthalene, imported, crude, 78°, large lots..lb. .04 - .05
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton.18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns.....lb. 2.25 - 2.30
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd.....lb. .57 - .57½
Carbonate, bbls., dlvd.....lb. .60½- .61
Chloride, bbls., dlvd.....lb. .31 - —
Cyanide, bots., dms.....lb. 1.75 2.00
Formate, bbls., ton lots, frt. alld. lb. .54¾- —
Metal, electro cathodes, cs....lb. .48 - —
Nitrate, bbls., works.....lb. .29¾- —
Oxide, black, bbls .....lb. .42 - —
Sulphate, bgs., c.l., dlvd.....lb. .23½- —
l.c.l., dlvd.....lb. .24 - —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 -11.30
Hydrochloride, dms. frt adjusted kilo.10.50 -10.80
Nicotine sulphate 40% 50-lb. dms., dealers frt. alld. over 70 lbs., dm.49.40 - —
tins 10 lbs. dealers, frt. alld. on cases of 5 tin.10.45 - —
Nikethamide, bots., cbys.....lb. 5.60 - 5.75
Nitrobenzene, dbl. dist., dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09 - —


prize sculpture by pancho-ogue

formula for quality...

...a half century of experience, tireless research for product improvement, the best of raw materials, rigid control in processing. See Niagara for quality products.

EBG* Liquid Chlorine
NIALK* Caustic Potash
NIALK Carbonate of Potash
NIALK Paradichlorobenzene
NIALK Caustic Soda
NIALK TRICHLOREthylene
NIAGATHAL* (Tetrachloro Phthalic Anhydride)
*Trade-mark

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, New York

Nitrocellulose—Oil, Oiticica, Liquid

Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works..lb. .29 - —
l.c.l., same basis.....lb. .30 - .32
18-25 cps., c.l.....lb. .31 - —
l.c.l., same basis.....lb. .32 - .34
250-400, 600-1,000 secs., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .36 - .38
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis..lb. .38 - —
l.c.l., same basis.....lb. .39 - .41
5-6, 40-60 secs., c.l., same basis..lb. .37 - —
l.c.l., same basis.....lb. .38 - .40
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable
Nitroethane, dms., dlvd., E. of Rockies..lb. .25 - —
Nitrogen solution, tanks, work., N. ton.115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't..unit-ton. 4.10 - 4.50
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies..lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies..lb. .23¼- —
2, dms., dlvd., E. of Rockies....lb. .25 - —
Nonylphenol, dms., c.l., works..lb. .28½- —
l.c.l., works.....lb. .29½- —
tanks, works.....lb. .27½- —
Nutgalls, Aleppo, bgs.....lb. .38 - —
Chinese, bgs.....lb. .32 - —
Istrian, bgs.....lb. .31 - —
Nutmeg, East Indian, 110's, cs...lb. .70 - .70½
afloat, cs.....lb. .65 - .66
West Indian, bgs.....lb. .48 - .49
futures, bgs.....lb. .50 - .50½
Nux vomica, pls.....lb. .10 - .12
powdered, bbls., bxs.....lb. .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l.....gal. .21 - .60
tanks.....gal. .15½- —
10°C., b.r. Bayonne, N.J., tanks..gal. .17 - —
Octanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd.....lb. .36½- —
tanks, dlvd.....lb. .32 - —
Octyl methacryiate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns.....lb. 3.75 - 4.00
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots..lb. 3.15 - 3.85
NF, bots.....lb. 3.00 - 3.75
sweet, dms., cns.....lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms.....lb. 1.55 - 2.10
Angelica root, bots.....lb.150.00 -160.00
seed, bots.....lb.100.00 -130.00
Anilin (see A).
Anise, USP, Chinese, dms.....lb. 1.25 - 1.65
Apricot kernels, USP, dms....lb. .45 - .65
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, crude, tankcars.....lb. .19½- —
Oil, bay, NF, Puerto Rican, 50-55%, cns..lb. 1.35 - 1.55
55-60%, cns.....lb. 1.45 - 1.60
dms..lb. 1.25 - 1.65
West Indian, 50-55%, cns.,
Bergamot, artif., cns.....lb. 4.10 - 5.25
natural, NF, Italian, cns....lb. 6.50 - 8.00
Birchtar, crude, cns.....lb. 1.50 - —
rectified, NF, cns.....lb. 4.60 - —
Bois de rose, Brazil, dms.....lb. 3.80 - 4.15
Mexican (see Oil, linaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.10 - 2.35
redistilled, USP, cns.....lb. 2.65 - 2.85
Calamus, cns.....lb.20.00 -28.00
Camphor, sassafrassy, dms....lb. .24 - .60
white, dms.....lb. .22 - .60
Cananga, native, cns.....lb. 4.25 - 5.25
rectified, cns.....lb. 6.00 - 6.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 3.65 - 4.50
Cardamom, NF, bots.....lb.60.00 -85.00
Cassia, USP, cns., dms.....lb. 4.35 - 5.00
Castor, blown, dms., c.l.....lb. .2625- —
dms., l.c.l.....lb. .2670- —
dehydrated, bodied, dms., c.l.lb. .28 - —
l.c.l.....lb. .2875- —
tanks.....lb. .2675- —
unbodied, dms., c.l.....lb. .2700- —
l.c.l.....lb. .2750- —
tanks.....lb. .2575- —
hydrogenated, dms., l.c.l....lb. .3125- —
No. 3, tech., dms., c.l.....lb. .24 - —
l.c.l.....lb. .2450- —
tanks.....lb. .2275- —
No. 1, Brazilian, tanks.....lb. .22½ Nom.
standard, dms., c.l.....lb. .2425- —
l.c.l.....lb. .2475- —
tanks.....lb. .23 - —
refined and deodorized, dms., c.l..lb. .2550- —
l.c.l.....lb. .2625- —
sulphonated, 50% (48% fat), dms. lb. .13½- .14
75% (60-62% fat), dms....lb. .18½- .19
Oil, cedarleaf, USP, cns., dms..lb. 2.50 - 3.00
Cedarwood, (see Oil, tung).
Cedarwood, cns.....lb. .40 - .60
dms.....lb. .35 - .55
Celeryseed, bots.....lb.16.50 -18.00
Chamomile, blue, Hungarian, bots. lb.250.00 -280.00
Chaulmoogra, NF, cns., dms....lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots....lb.30.00 -60.00
Leaf, Ceylon.....lb. 1.30 - 1.50
Citronella, Ceylon, cns., dms...lb. 1.52 - 1.90
Java, true, cns.....lb. 2.00 - 2.65
Java type, cns.....lb. 2.00 - 2.55
Clove, USP, from buds, cns., dms. lb. 2.05 - 2.45
Coconut, crude, tanks, Atlantic ports..lb. .18 Nom.
Pac. Coast.....lb. .16½- —
refined, Cochin type, tax incl., dms., l.c.l..lb. .24¼- —
deodorized, tax incl., dms., l.c.l..lb. .26 - —
Cod, Newfoundland, dms.....lb. .12½- —
Codliver, USP, dms.....gal. 1.65 - 1.75
Coriander, USP, bots.....lb.25.00 -34.00
Corn, crude, tanks, works.....lb. .18½- —
foots, acid, 95% tanks dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¼ Nom.
refined, dms., l.c.l., New York lb. .24 - —
tanks, same basis.....lb. .2240- —
Costus, bots.....oz.25.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .20 - —
foots, acid 95%, tanks dlvd. E lb. .07½- —
raw, 50%, tanks, dlvd. E lb. .03½- —
refined, dms., l.c.l.....lb. .25½- —
tankcars.....lb. .24 - —
Creosote (see Crotonic, coaltar).
Croton, cns.....lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 5.75 - 7.50
Cumin, bots.....lb. 4.50 - —
Cypress, bots.....lb. No stocks.
Degras (see D).
Dillseed, india, bots.....lb. 6.25 - 7.75
Dillweed, domestic, bots., dms..lb. 4.60 - 5.50
Dip (see D).
Erigeron, cns.....lb. 5.25 - 7.50
Eucalyptus, rectified, 80-85%, dms. lb. .85 - 1.10
70-75%, dms.....lb. .78 - .90
Fennel, USP, cns.....lb. 2.30 - 3.25
Fir, Canada, cns.....lb. 2.10 - 2.25
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units per gm., dms., 1,000,000 units. .11 - .11½
15,000 to 20,000 A units, dms. 1,000,000 units. .11 - .12
25,000 to 35,000 A units, dms. 1,000,000 units. .11 - .12
40,000 to 55,000 A units, dms. 1,000,000 units. .12 - .13
Market prices on crude fishliver oil dependent upon conversion factor
prime, natural, or concentrate, 100,000 A units, dms., 1,000,000 units. .15 - —
200,000 A units, dms 1,000,000 units. .16 - —
300,000 A units, dms 1,000,000 units. .16 - —
400,000 A units, dms 1,000,000 units. .17 - —
500,000 A units, dms 1,000,000 units. .17 - —
700,000 A units, dms 1,000,000 units. .17 - —
Prices above are based on the USP XIII method of conversion, E x 1894.
prime, nat. or conc., 100,000 A units dms..1,000,000 units. .16 - —
200,000 A units, dms 1,000,000 units. .17 - —
300,000 A units, dms 1,000,000 units. .17 - —
400,000 A units, dms 1,000,000 units. .18 - —
500,000 A units, dms 1,000,000 units. .18 - —
700,000 A units, dms 1,000,000 units. .18 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots.....oz. 7.25 - 8.00
Gautheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.26.00 -30.00
Bourbon, cns.....lb.31.00 -35.00
Turkish (see Oil, palmarosa)
Ginger, dist., bots.....lb.22.00 -24.00
Grapefruit, No. 1, dms.....lb. .90 - 1.75
Grease, No. 1, dms.....lb. .16½- .18½
extra, Winter, strained, dms lb. .19 - .21½
prime, burning, dms.....lb. .21 - .23
Guaiacwood, cns.....lb. 1.65 - 1.90
Hemlock, cns.....lb. 2.00 - 2.25
Herring, crude, tanks, Pac. coast, lb. No prices.
Juniper berry, NF VIII, bots lb. 2.75 - 3.25
twice rectified, bots.....lb. 3.75 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots.....lb. 9.75 -12.50
Lavandin, cns.....lb. 2.55 - 3.25
Lavender flower, French, 30-32% ester, cns..lb. 3.25 - 4.00
38-42% ester, cns.....lb. 4.75 - 5.75
40-42% ester, cns.....lb. 5.50 - 6.25
Spike, Spanish, cns.....lb. 1.50 - 1.70
Lemon, USP, Calif., cns., dms, lb. 4.00 - 4.25
Messina, cns.....lb. 3.50 - 8.00
terpeneless, bots.....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 2.65 - 3.25
Lignaloe wood, Mexican, cns....lb. 3.80 - 4.05
Lime, distilled, Mexican, cns....lb. 5.75 - 7.00
West Indian, cns.....lb. 6.50 - 7.25
expressed, West Indian, cns lb. 7.25 -13.75
terpeneless bot lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3, lb. .1700- —
l.c.l.....lb. .1760- .1800
tankcars.....lb. .1580- —
tankwagon.....lb. .1610- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms.....lb. 3.70 - 4.00
Menhaden, crude, tanks, Balto lb. .11½- —
Italian, cns.....lb. 5.25 - 8.50
Menhaden, crude, tanks, Balto lb. .11 Nom.
refined, alkali, dms.....lb. .1780- —
kettle-bodied, dms.....lb. .1800- —
light-pressed, dms.....lb. .1680- —
tanks.....lb. .15 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms..lb. .22½- .23¼
synthetic, cns, dms.....lb 1.40 1.70
Neatsfoot, 15°, dms.....lb. .34 - .36
20°, dms.....lb. .32 - .35
30°, dms.....lb. .30 - .30½
Neroli, NF, French, bots.....lb.125.00 -195.00
Haitian, bots.....lb.90.00 - —
Niaouli, cns.....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 3.65 - 4.00
West Indian, cns., dms..lb. 3.50 - 3.85
Ocotea cymbarum, dms.....lb. .70 - .90
Oiticica, liquid, dms.....lb. .21 - .22
tankcars.....lb. .20 - .20½

WHY PAY HIGH PRICES
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Change to... FELTON ARTIFICIAL ESSENTIAL OILS

Economical! Available! Authentic!

- ABIES SIBIRICA
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- CITRONELLA
- CLOVES
- COGNAC
- CORIANDER
- GARLIC
- GERANIUM
- GINGER
- LAVENDER
- LEMON
- LEMONGRASS
- LIMES
- MACE
- NUTMEG
- ORIGANUM
- PATCHOULY
- PEPPER
- PIMENTA
- PINE NEEDLES
- ROSE BULGARIAN
- SAGE
- THYME
- VETIVERT
- YLANG YLANG

AROMATICS • PERFUME BASES • ESSENTIAL OILS
FELTON CHEMICAL COMPANY, INC
599 Johnson Ave., Brooklyn 6, N. Y.
PLANTS: Brooklyn, N. Y. • Los Angeles, Cal. • Montreal, Que. • Paris, France
SALES OFFICES: Atlanta • Boston • Chicago • Dallas • Philadelphia St. Louis • Toledo • Toronto
Stocks Carried in Principal Cities

Oil, oleo, extra, dms.....lb. .18 - —
Olibanum, bots.....lb. 5.25 - 7.65
extra fine, bots.....lb. 8.00 - —
Olive, commercial, dms. ....gal. No stocks.
edible, dms., duty paid.....gal. 3.00 - 3.25
foots, dms.....lb. .17¼- .17½
Orange, sweet, dist., cns.....lb. .75 - .90
expressed, USP, Brazilian, cns., dms..lb. 1.25 - 1.50
Calif., cns.....lb. 1.25 - 1.75
Florida, cns., dms.....lb. 1.10 - 1.50
Messina, cns.....lb. 3.50 - 5.50
West Indian, cns.....lb. 2.50 - 3.15
sesquiterpeneless, bots.....lb.55.00 -105.00
Origanum, Spanish, cns.....lb. 2.30 - 2.75
Palm, Congo, dms.....lb. .1710- —
tankcars.....lb. No stocks.
Palmarosa, cns.....lb. 7.50 - 9.25
Palmkernel, crude, bulk, c.i.f. N Y lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery gal. .11½- —
Patchouli, dms.....lb.22.00 -26.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb. .21 - —
refined, dms., l.c.l.....lb. .27 - —
tanks, New York.....lb. .24½- —
Pennyroyal, USP, dom. cns lb. No stocks.
imported, cns.....lb. 5.50 - 5.75
Peppermint, natural, dms.....lb. 6.25 - 6.85
redist., USP, dms.....lb. 6.65 - 7.25
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 3.00 - 4.00
Pimento berry, NF, dms.....lb. 4.25 - 5.75
leaf, cns.....lb. 1.50 - 1.85
Pine, dest.-dist., dms., extra, c.l., works, South..gal. .71 - —
l.c.l.....gal. .72 - —
ex whse., N. Y. C.....gal. .90 - —
steam-dist., dms. ex whse., non-ret. dms. incl. c.l., ex whse., N.Y.C. lb. .117 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars.....lb. .23 Nom.
Red, saponified, dms.....lb. .19¾- .21
tanks.....lb. .18¼- —
single dist., dms.....lb. .20½- .21¾
tanks.....lb. .19 - —
double dist., dms.....lb. .23 .24¼
tanks.....lb. .21½- —
Rice bran, clarif., dms.....lb. No stocks.
Rose, natural, Bulgarian, bots.....oz.35.00 -42.00
Rosemary, Spanish, tech. cn. dms..lb. 70 - .90
USP, cns., dms.....lb. .95 - 1.30
Rue, bots.....lb. 3.00 3.25
Safflower, dms., l.c.l.....lb. .1825- —
Sage, clary, bots.....lb.12.25 19.00
Dalmatian, cns.....lb.10.50 -11.50
Spanish, cns.....lb. 1.00 - 2.10
Sandalwood, NF, cns.....lb.12.00 -14.50
Sardine crude, tanks, Pac. coast lb. .12 - —
refined, alkali, dms.....lb. .1780- —
kettle-bodied, dms.....lb. .1880- —
light-pressed, dms.....lb. .1680- —
tanks.....lb. .15 - —
Sassafras, artificial, cns., dms. lb. .58 - .85
natural, Brazilian (see Oil, ocotea cymbarum)
domestic, USP, cns., dms..lb. 2.00 - 2.50
Savin, cns.....lb. 2.75 3.00
Savory, cns.....lb. No stocks.
Seal, 2% acid duty extra, dms.....lb. No stocks.
Sesame, ref., dms., l.c.l.....lb. .31½- —
Shingle stain, bbls, c.l. works, gal. .27 —
l.c.l., works.....gal. .30 - —
tanks, works.....gal. 19 —
Snakeroot, Canada, cns.....lb.19.25 -28.50
Soybean, crude, tanks, mills.....lb. .15½- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¾- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
refined, alkali, dms., c.l.....lb. .19¼- —
l.c.l.....lb. .1870- .1920
tanks.....lb. .17¾- —
clarified, dms., c.l.....lb. .1710- —
l.c.l.....lb. .1770- .1810
tanks.....lb. .1570- —
edible, dms.....lb. .20 - .21
tanks.....lb. .18¼- —
Spearmint, USP, dms.....lb. 4.50 - 5.50
Sperm, bleached, winter, 45°, dms..lb. .1620- .17
tankcars.....lb. .1520- —
natural, winter, 45°, dms....lb. .15 - .16
tankcars.....lb. .14 - —
Spruce, cns., dms.....lb. 2.00 - 2.25
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns.....lb. 2.00 - 3.75
Tall, crude, tanks, works.....ton.40.00 —
refined, dms., c.l., works lb. 06 —
l.c.l., works lb. 06¼- —
tanks, works lb. 05 —
Tallow, acidless, dms.....lb. .18 - .18½
Tansy, dms. lb. 7.75 9.00
Tar, pine, com'l, dms., incl., c.l., works, South..lb. .051 - —
l.c.l., works, South...lb. .0534- —
whse., N.Y.C.....lb. .0678- —
tanks, works, South....lb. .041 - —
rectified, NF, l.c.l., dms., extra, works, South..gal. .67 - —
whse.....gal. .77 - —
Tar acid (see T).
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms....lb. 1.60 - 2.85
white, cns.....lb. 1.80 - 3.10
technical white, cns.....lb. 40 5.00
Tung, dom., tanks, mills.....lb. .24¾- —
imported, cns., c.l.....lb. .25½- .26
l.c.l.....lb. .26 - .26½
tanks.....lb. .24½- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms....lb. .28 - .58
Vetiver, Bourbon, cns.....lb.25.00 -30.00
Haitian, cns.....lb.21.00 -26.00
Java, cns.....lb.22.00 -26.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, 5-gal. dms gal.10.00 -13.00
White, mineral, tech., 50-65 vis., dms., c.l., N. Y gal. .48½- 51
l.c.l., same basis gal. .54½ .60½
65-75 vis., dms., same basis. gal. .49½- .52
l.c.l., same basis gal. .55½- .61½
USP, 80-90 vis., dms., c.l., same basis gal. .50½- .53
125-135 vis., dms., c.l., same basis gal. .58½ .61
l.c.l., same basis gal. .64½- .70½
145-155 vis., dms., c.l., same basis gal. .65½- .67
l.c.l., same basis gal. .71½- .76½
175-185 vis., dms., c.l., same basis gal. .68½- .71½
l.c.l., same basis gal. .74½- .81
200-210 vis., dms., c.l., same basis gal. .71½- .73½
l.c.l., same basis gal. .77½- .83
335-345 vis., dms., c.l., same basis gal. .76 - .78½
l.c.l., same basis gal. .82 .87
Wintergreen, USP, nat., Northern, cns lb. 7.15 -18.00
Southern, cns.....lb. 3.80 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).

Oil, wormseed, NF, cns.....lb. 6.00 - 6.75
Wormwood, cns.....lb. 6.75 - 7.50
Ylang-ylang, Bourbon, bots.....lb.12.00 -16.00
extra, bots.....lb.18.50 -21.00
Madagascar, bots.....lb. No stocks.
Olein, crude (see Oil, red).
white, low titre, dms.....lb. .23 - .24¼
tankcars.....lb. .21½- —
Oleostearin, bbls.....lb. .17 Nom.
Olivine, aggregate, c.i., mines ton 7.00 9.50
crushed, 8 mesh, bulk c.l. works. ton.10.00 —
paper bgs., c.l., works...ton.12.00 —
Opium, USP, cns.....lb.19.20 -19.45
gran., USP, cns.....lb.21.65 -21.90
powd., USP cns.....lb.21.65 -21.90
Orange, cadmium (lithopone) bbls. frt. alld. E. of Rockies lb. 1.12 - 1.30
Chrome, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul..lb. .30 - .38½
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn. Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita; prices are equalized with Chicago.
Chrome, dinitroaniline, toner.....lb. 1.15 —
Mineral, American, bbls., l.c.l., ship't point, frt. alld..lb. .2210- —
Molybdate, bbls.....lb. .42 - .43
Persian, bbls.....lb. 30 45
Orange flowers, nat.....lb. 40 45
Orange peel, bitter, Haitian, bis lb. .13 .15
Sweet, bis.....lb. .15 .18
Oregano, Mexican, bgs.....lb. .15½- .16
Italian, bgs.....lb. .14½- .15
Portuguese, bgs.....lb. .15 - .15½

Orris root, Florentine, bls.....lb. .18 .20
powdered, bbls., bxs.....lb. .23 .24
Verona, bis.....lb. .15 .18
powdered, bbls., bxs.....lb. .19 .24
Orthobenzylbiphenyl, dms., c.l., works lb. .52½ —
l.c.l., same basis.....lb. .53 —
tanks, same basis.....lb. .51 —
Orthoanisidin, bbls.....lb. .80 —
Orthochloroaniline, dms., 10,000 lbs. or more lb. .60 —
smaller lots lb. .70 —
Orthochloroparanitroanilin, dms., dlvd lb. .66 - —
Orthochlorophenol, dms., c.l., frt. equald lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald lb. .178 - —
l.c.l., same basis lb. .181 —
ret. dms., c.l., same basis lb. .165 - —
l.c.l., same basis lb. .168 - —
29° C, non-ret. dms., c.l., same basis lb. .168 —
l.c.l., same basis lb. .171 —
ret. dms., c.l., same basis lb. .155 - —
l.c.l., same basis lb. .158 —
24-29° C, non-ret. dms., c.l., same basis lb. .148 .158
l.c.l., same basis lb. .151 .161
tanks, same basis lb. .135 .145
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .10¼- —
l.c.l., same basis.....lb. .11¼- .11½
tanks, same basis.....lb. .08¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l., frt. equald lb. .29 - —
l.c.l., same basis.....lb. .30 - —
tanks, same basis.....lb. .28 - —

Oil, Oleo—Paprika

Orthonitroaniln, dms lb. 50 .53
Orthonitrochlorobenzene, dms lb. .18 .19
Orthonitrobiphenyl, tech. dms., c.l., works lb. .14½- —
l.c.l. works lb. .15 —
tanks, works lb. .13 —
Orthonitroparachlorophenol, cns lb. 75 —
Orthonitrophenol, bbls., works lb. .85 - —
Orthonitrotoluene, dms., c.l., frt. alld. lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08 - —
Orthophenetidin, dms., works lb. 90 —
Orthotoluidin, dms., c.l., works lb. .21 —
l.c.l., same basis.....lb. .22 —
tanks, same basis.....lb. .20 —
Osage orange, crystals, bbls, l.c.l. lb. .53½ —
extract, liquid, bbls, l.c.l lb. 15½ —
Orthotolidin, (see Tolidine Base)
Ouabaine, USP, bots gram .80 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. and up lb. 3.50 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works..lb. 4.75 - —
smaller lots, works.....lb. 5.00 - —

P

Pancreas substance, assay 1:75..lb. 5.75 - 6.25
Pancreatin, USP., bots.....lb. 2.50 - 3.00
Panthenol, bots, works, frt. adjust kilo 90.00
Papain, powd., NF, cs.....lb. 4.50 - 5.25
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz 9.00 —
smaller lots oz 9.05 9.20
Sulphate, cns.....oz 7.10 7.35
Paprika, Chilean, bgs.....lb. .29½ 30
Portuguese, bgs.....lb. .39 40
Spanish, bgs.....lb. .42 - .45

Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Para-Anisidin—Petroleum, Mineral Spirits

Para-anisidin, dms. works	lb.	.80	—
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	21.00
Para-aminophenol, bbls., frt. alld	lb.	.88½	—
Parachlorophenol, dms., c.l., frt. equald	lb.	.29	—
l.c.l., same basis	lb.	.30	—
Parachloroanilin, dms. frt alld E. Miss	lb.	.70	—
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.70	—
Paracresol, 98%, dms., dlvd	lb.	.50	—
Paracymene, dms. works, 50 gals. or more	gal.	2.50	—
smaller quantities	gal.	3.00	—
Paradibromobenzene, bgs. 500-lb lots	lb.	.45	—
Paradichlorobenzene, dms., c.l., works	lb.	.13½	—
l.c.l., same basis	lb.	.16	.19
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y	lb.	.0695-	—
125-127 ASTM, loose, c.l., ref'y	lb.	.0695	—
128-130 ASTM, loose, c.l., ref'y	lb.	.0695-	—
130-132 ASTM, loose, c.l., refy.	lb.	.0705-	—
132-134 ASTM, loose, c.l., ref'y	lb.	.0705-	—
Paraffin, fully refined, slabs, 135-137 ASTM, loose, c.l., ref'y	lb.	.0720-	—

Paraffin prices in bgs. and ctns. 7/10c per lb. higher; 1,000 to 9,999 lbs., 2.7c per lb. higher, and under 1,000 lbs. 3.7c per lb higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y.	lb.	.16	—
10,000 lbs. to c.l., same basis	lb.	.17¼	.17½
1,000-9,999 lbs., same basis	lb.	.18¼	.18½
less than 1,000 lbs., same basis	lb.	.19¾	.20¼
94-95%, powd., dms., c.l., works	lb.	.14	—
10,000 lbs. to c.l., same basis	lb.	.15	—
1,000-9,999 lbs., same basis	lb.	.16	—
less than 1,000 lbs., same basis	lb.	.18	—
91-92%, flake, fib. dms., c.l., N. Y. delivery	lb.	.14	—
10,000 lbs., to c.l., same basis	lb.	.15½	—
1,000-9,999 lbs., same basis	lb.	.16½	—
less than 1,000 lbs., same basis	lb.	.18½	—
91-92%, flake, fib. dms., c.l., works	lb.	.12	—
10,000 lbs. to c.l., same basis	lb.	.13	—
1,000-9,999 lbs., same basis	lb.	.14	—
less than 1,000 lbs., same basis	lb.	.16	—
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works	lb.	.12¼	.13¼
5-10-gal. dms., l.c.l., works	lb.	.16½	—
tanks, works	lb.	.10½	—
USP, cbys	lb.	.51	.53
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.45½	—
l.c.l., frt. alld	lb.	.48½	—
Paranitrochlorobenzene, kgs., works	lb.	.19	.20
Paranitrophenol, kgs., works, frt. equald	lb.	.42	—
Paranitrotoluene, kgs., frt. alld	lb.	.33	—
Paraphenetidin, dms., works	lb.	.80	—
Paraphenylphenol, bgs., c.l., works	lb.	.31½	—
l.c.l., same basis	lb.	.32½	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.30	2.80
technical, refined, dms., same basis	lb.	1.05	1.30
Paratertiarybutylphenol, bgs., c.l., works	lb.	.23½	—
l.c.l., same basis	lb.	.24½	—
Parathion, spray powder, 15%, dealers, tins	lb.	.72	—
tech., dms., works	lb.	1.50	2.50
Paratoluenesulphonamide, bbls., works	lb.	.70	—
Paratoluidin, bbls., frt. alld	lb.	.61	—
Pareira brava root, whole, bgs.	lb.	.35	.40
ground, bxs	lb.	.40	.48
powder, bxs	lb.	.43	.50
Paris green, dealer, distributor, dms., c.l., works, frt. alld, on 96 lbs. or over	lb.	.35	.39
l.c.l., same basis	lb.	.36	.68
Passion flower nerb, bls	lb.	.35	.40
Patchouli leaves, bls	lb.	No stocks.	
Peanut meal, 45%, sacked, mills	ton.	63.00	65.00
Pectin, citrous, NF, powd., bbls.	lb.	2.05	2.06
tech., powd., bbls	lb.	1.35	—
Penicillin, crystalline, potassium, unlabeled, vials, 100,000 units	vl.	.102	—
200,000 units	vl.	.151½	—
500,000 units	vl.	.28	—
1,000,000 units	vl.	.52	—
2,000,000 units	vl.	1.00	—
bulk, sterile, over 25,000,000,000 unit lots 100,000 units		.04	—
tablet grade, over 25,000,000,000 unit lots 100,000 units		.03½	—
procaine, bulk, over 25,000,000,000 unit lots 100,000 units		.04½	—
sodium, unlabeled, vials 100,000 units	vl.	.10¾	—
200,000 units	vl.	.16	—
500,000 units	vl.	.30½	—
1,000,000 units	vl.	.57	—
2,000,000 units	vl.	1.03	—
bulk, over 25,000,000,000 unit lots 100,000 units		.04½	—
Pennyroyal leaves, bls	lb.	.40	.45
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.20	—
l.c.l., same basis	lb.	.23	.28
truckload, 20,000 lbs., min., same basis	lb.	.20¼	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.32	—
l.c.l., works	lb.	.33	.35

DI and tri-isomers (see Dipentaerythritol and Tripentaerythritol)

Pentane, industrial, tanks, group 3	gal	.10½	.11½
Pepper, black, spot, bgs	lb.	1.60	1.62
November delivery	lb.	1.55	—
December delivery, bgs	lb.	1.50	—
December shipment, bgs	lb.	1.42	—
January-March shipment, bgs.	lb.	1.39	1.40
Red, Carolina, longs, bgs	lb.	.34	.35
Haitian, bgs.	lb.	.50	.51
Hontaka, bgs	lb.	.40	.41
November shipment	lb.	.33	—
Louisiana longs, bgs	lb.	.32	.32½
Mexican sports, bgs	lb.	.35	.36
Mississippi sports, bgs., source Oct. shipment	lb.	.35	.36
Nigerian, caps, bgs	lb.	.31	.32
Sierra Leone, bgs	lb.	.42	.43
Sudanese, small, bgs	lb.	.42	.43
Turkish, bgs	lb.	.25	.26
White, October delivery, bgs.	lb.	2.75	2.80
November delivery, bgs	lb.	2.65	2.70
Peppermint, USP, dom., bls	lb.	.55	.60
imported, bls	lb.	.80	.90
Pepsin, NF, bulk, containers	lb.	3.90	—
Perchloroethylene, dms., c.l., or truckload, works	lb.	.11	—
l.c.l., same basis	lb.	.11¾	—
tanks, same basis	lb.	.10	—
Perchloroethylene, dms., c.l., dlvd. E	lb.	.12	—
l.c.l., dlvd. E	lb.	.12½	—
tanks, dlvd. E	lb.	.11	—
Peru, balsam, dms	lb.	1.15	1.35
Petrolatum, amber, c.l., dms	lb.	.05⅛	.05⅜
l.c.l., same basis	lb.	.06⅛	.06¼
cream, dms., c.l	lb.	.06½	—
l.c.l., same basis	lb.	.07¾	.08
extra amber, dms., c.l	lb.	.05⅜	.05⅝
l.c.l.	lb.	.06⅜	.06½
USP, white, lily, dms., c.l	lb.	.06⅞	—
l.c.l.	lb.	.08⅛	.08⅜
snow, dms., c.l	lb.	.07⅜	—
l.c.l.	lb.	.08⅜	.08⅞
soft, dms., c.l	lb.	.07⅛	—
l.c.l.	lb.	.08	.08⅛
yellow, soft, dms., c.l	lb.	.05⅜	.06
l.c.l.	lb.	.06¼	.06⅝
Petroleum, crude bulk, at wells, California	bbl.	1.10	2.99
Illinois	bbl.	2.44	2.87
Kentucky	bbl	2.42	2.83
Louisiana-Arkansas	bbl	2.08	2.90
Montana	bbl	1.28	2.775
Oklahoma-Kansas	bbl.	2.16	2.65
Pennsylvania lower field	bbl.	3.67	—
Upper field	bbl.	4.10	—
Texas, East	bbl	2.65	—
Gulf coast	bbl	2.38	2.95
North, North-Central	bbl	2.23	2.65
Panhandle	bbl	2.23	2.65
West	bbl.	2.33	2.65
Wyoming	bbl	1.28	2.875
Ether, laboratory, 30°-60° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
35°-60° C, 10-gal. cans, dlvd. E	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
40°-75° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco	gal.	.57	—
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.55	1.60
light, tanks, refinery	bbl.	2.05	2.10
eastern, tanks, Albany, N. Y.	bbl.	2.45	—
Baltimore, Md	bbl.	2.18	—
Boston, Mass.	bbl.	2.20	—
Charleston, S. C.	bbl.	2.13	—
Jacksonville, Fla	bbl.	2.12	—
New York, N. Y.	bbl.	2.15	2.20
Norfolk, Va.	bbl.	2.18	—
Philadelphia, Pa	bbl.	2.18	—
Portland, Me.	bbl.	2.23	—
Providence, R. I.	bbl.	2.175	—
Savannah, Ga.	bbl.	2.13	—
Diesel, tanks, refinery, California	gal.	.099	.104
Pennsylvania	gal.	.09375	.0975
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.0825	—
No. 3	gal.	.07875	—
Bayonne, N. J., No. 2	gal.	.091	—
Group 3, No. 1	gal.	.0875	.09
No. 1, straw	gal.	.0875	.09
No. 2, straw	gal.	.08125	.08625
range	gal.	.07825	.08125
Pennsylvania, western, No. 1	gal.	.10	—
No. 2	gal.	.095	.1025
No. 3	gal.	.095	.0975
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147	—
255 F, b.r., tanks, ex-tax, Portland, Ore	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash	gal.	.158	—
East coast, tanks, N. J. and N. Y. refinery	gal.	.17	—
group 3, benzol-type, tanks, refinery	gal.	.12125	.12375
toluol-type, tanks, refinery	gal.	.11625	.11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	.152	—
205-295 b.r., tanks, same basis	gal.	.152	—
245-360 b.r., tanks, same basis	gal.	.152	—
305-362 b.r., tanks, same basis	gal.	.142	—
312-400 b.r., tanks, same basis	gal.	.142	—
360-455 b.r., tanks, same basis	gal.	.152	—
East coast, tanks, N. J., N. Y., refinery	gal.	.15	—
group 3, tanks	gal.	.10675	—

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Sonneborn chemists have discovered that adding Vitamin E (Tocopherol) to mineral oil will make the oil much more stable—safeguarding it against the development of unpleasant taste or odor. This, of course, means longer shelf life for Sonneborn's new fortified mineral oil.

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WHITE OILS • PETROLATUMS • PETROLEUM SULFONATES

Petroleum, mineral spirits, tank-wagon, Baltimore	gal.	.18½-	—
Boston	gal.	.17 -	—
Buffalo	gal.	.17½-	—
Newark	gal.	.16 -	—
New York	gal.	.16 -	—
Philadelphia	gal.	.15 -	—
Pittsburgh	gal.	.18 -	—
Providence	gal.	.17½-	—
Rochester	gal.	.19 -	—
Syracuse	gal.	.20 -	—
Washington, D. C.	gal.	.18½-	—
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery	gal.	.15 -	—
Group 3, tanks	gal.	.11875-	—
tankwagon, Newark	gal.	.15½-	—
New York	gal.	.16 -	—
Philadelphia	gal.	.15 -	—
high-flash 140° F. group 3 refinery, tanks	gal.	.13	.145
200-205 b.r., 37-38° C. mixed anilin pt., tanks, refinery or terminal	gal.	.21½	.23
25-26° C. m.a.p. tanks, same basis	gal.	.22 -	.26
270-370 b.r., 78-81° C. m.a.p., tanks, same basis	gal.	.25	—
49° C. m.a.p. tanks, same basis	gal.	.28½-	—
26-27° C. m.a.p. tanks same basis	gal.	.22 -	.28½
300-400 b.r., 28-32° C. m.a.p., tanks, same basis	gal.	.19½-	.28½
340-410° b.r., 27° C. m.a.p., tanks, same basis	gal.	.22 -	.28½
32° C., m.a.p., tanks, same basis	gal.	.22 -	—
36° C., m.a.p., tanks, same basis	gal.	.22 -	—
340-440 b.r., 32° C., m.a.p., tanks, same basis	gal.	.27¾-	.29½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles	gal.	.147 -	—
Portland, Ore	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash	gal.	158	—
East coast, N. J., N. Y., tanks	gal.	.16 -	—
Group 3, tanks	gal.	.11875-	.12125
tankwagon, Boston	gal.	.18½-	—
Newark	gal.	.17½-	—
New York	gal.	.17½-	—
Philadelphia	gal.	.17 -	—
Pittsburgh	gal.	.19 -	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152	—
East coast, N. J., N. Y.,	gal.	.16 -	—
Group 3, tanks	gal.	.11875-	—
Pennsylvania, western, tanks	gal.	.1225-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157 -	.165
East coast, N. J., N. Y., tanks	gal.	.15 -	—
Group 3, tanks	gal.	.11375-	—
tankwagon, Boston	gal.	.17 -	—
Newark	gal.	.16 -	—
New York	gal.	.16 -	—
Philadelphia	gal.	.14 -	—
Pittsburgh	gal.	.18 -	—
Syracuse	gal.	.20 -	—
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works	lb.	.2040-	—
l.c.l., works	lb.	.2065-	—
tanks, works	lb.	.1850-	—
60-62% sulphonic content, non-ret., dms., works	lb.	.1835-	—
l.c.l., works	lb.	.1890-	—
tanks, works	lb.	.1675-	—
50-55% sulphonic content, non-ret. dms., works	lb.	.1590-	—
l.c.l., works	lb.	.1615-	—
tanks, works	lb.	.14 -	—
Phenobarbital USP dms. 100 lbs	lb	4.00	4.35
Phenobarbital-sodium USP dms	lb	4.00	4.10
Phenol, 90-92% cresol, 8-10% dms., c.l., frt. alld and frt. equald E. of Rockies.	lb.	.1650-	—
l.c.l., same basis	lb.	.1725-	—
tanks, same basis	lb.	.1475-	—
82-84% cresol, 16-18%), dms., c.l., same basis	lb.	.1650-	—
l.c.l., same basis	lb.	.1725-	—
tanks, same basis	lb.	.1475-	—
USP, synthetic, dms., c.l., same basis	lb.	.17¼-	—
l.c.l., same basis	lb.	.18 -	—
tanks, same basis	lb.	.15½-	—
tar, distilled, dms., c.l., same basis	lb.	.17¼-	—
l.c.l., same basis	lb.	.18 -	—
tanks, same basis	lb.	.15½-	—
Phenolphthalein USP or yellow bbls., dms., 2,000 lbs	lb.	1.10	—
smaller lots	lb.	1.12	- 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted	lb.	.46	- —
over 2,100 lbs., same basis	lb.	.48	- —
less than 2,100 lbs., same basis	lb.	.50	- —
Phenylacetaldehyde solution, 50% bots	lb	2.45	2.70
100% bots	lb	4.00	4.75
Phenylacetamide 125-lb dms., works, lb. lots	lb	1.25	—
smaller dms., works	lb.	1.30	- 1.60
Phenyl acetate dms., 100-lb. lots works	lb	.50	—
Salicylate (see Salol).			
Phenylalanine dextro laevo, dms., works	lb.	27.00	-37.50
Phenyldiethanolamine, dms., c.l., works	lb	35½	- —
l.c.l., works	lb.	.35	- .36½
Phenylethanolamine, dms., c.l., works	lb	67½	—
l.c.l. same basis	lb	68½	—
Phenylethyl acetate, dms	lb	1.30	1.80
Phenylethylphenyl acetate, bots	lb	3.75	4.20
Phenylhydrazin base, CP, bots	lb	3.00	3.07
Hydrochloride, commercial, kgs., works	lb	1.75	- —
CP bots, works	lb	5.12	- —
Phenylisocyanate, dms., frt. equald.	lb.	1.25	- —
Phenylmethylpyrazolone (see Methylphenylpyrazolone)			
Phloroglucinol CP fib dms., works	lb.	15.00	-15.75
commercial, fib. dms., works	lb.	6.40	- —
tech., fib., dms., works	lb.	9.40	- 9.65
Phosgene (50 lb. cyls. works	lb	20½	—
Phosphate defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports	ton.	35.00-	—
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis	long ton.	4.35	- 4.40
72%-70%, b.p.l., c.l., same basis	long ton.	5.00	- —
75%-74%, b.p.l., c.l., same basis	long ton.	6.00	- —
77%-78%, b.p.l., c.l., same basis	long ton.	7.00	- —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum bulk, c.l., mines, short	ton.	4.92	- —
68% b.p.l., basis 31% P_2O_5 minimum mines, short	ton	5.28	- —
70% b.p.l., basis 32% P_2O_5 minimum mines, short	ton.	5.83	- —

plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Phosphate rock, Tennessee, brown, run of mine, unground, 27-28% P_2O_5 c.l., mines	long ton.	6.45	- —
30-29% P_2O_5 c.l., mines	long ton.	7.21	- —
Phosphorus, red, amorphous, cs., works	lb.	.42	- —
dms., works	lb.	.39	- .40
Yellow cks	lb	.30	37
dms c.l	lb	26	—
Oxychloride, dms., works	lb.	.14	- .17
Pentasulphide, dms., c.l., works.	lb.	.12	- —
l.c.l., dms., works	lb.	.13	- .14
Pentoxide dms. c.l., works	lb	12	—
c.l. works	lb	13	14
Sesquisulphide tins, cs., works.	lb.	.23	.29
dms export	lb	33½	36
Trichloride, dms., c.l., works	lb.	.14	- —
l.c.l., works	lb.	.15	- .18
Phthalic anhydride bes c.l works, frt. equald	lb.	.17½-	.20½
l.c.l., same basis	lb.	.18½-	.21½
tanks, same basis	lb.	.17	.18½
Bbls ½c per pound higher.			
Phthalimide bbls. works	lb	1.10	1.37
Pichi leaves bgs	lb	08	10
Picoline (see Alphapicoline and Betapicoline)			
Pilocarpine hydrochloride NF bots	oz.	5.25	- —
Nitrate, USP, bots., vials	oz.	5.10	- —
Pimento, Jamaica, bgs	lb.	.25	- .26
Pinetar retort, dms, incl., c.l., works, South	lb.	.051	- —
l.c.l., same basis	lb.	.0534-	—
whse., N.Y.C.	lb.	.0678-	—
tanks, works, South	lb.	.041 -	—
Pinkroot, bls	lb.	1.75	- 1.90

Petroleum, Mineral Spirits—Pomegranate Root

Piperidine 95% xns. frt. equald.	lb	1.65	—
98% dms., same basis	lb	1.75	—
Piperazine hexahydrate, bois	kilo	12.50	-13.25
Pipsissewa herb (see Prince's pine)			
Pitch, burgundy, domestic, dms. inc., works, South, 1 to 4 dms	lb.	.08	- —
5 to 19 dms	lb.	.0775-	—
10 or more dms	lb.	.0755-	—
whse., N.Y.C., 1 to 4 dms	lb.	.0892-	—
5 to 19 dms	lb.	.0867-	—
20 or more dms	lb.	.0847-	—
Coaltar, 150° F. m.p., bbls., c.l., works	ton.	34.00	-37.00
l.c.l., works	ton.	37.00	-41.00
Cottonseed dms., works	lb	06	.07
Hardwood, paper bgs, c.l. works	lb.	.02	—
Linseed, dms.	lb	06	Nom.
Petroleum (see Asphaltum Mexican Texas)			
Pine, dms., dms inc., c.l., works, South 100 lbs.		3.75	- —
Soybean dms works	lb	04½-	05
Tall, dms., works	lb.	.03	- .03½
Plaster of Paris (see Gypsum)			
Platinum metal, works	oz.	90.00	-93.00
Pokeroot bls	lb	13	14
Pleurisy root bls	lb	25	.26
Podophyllin NF dms	lb.	12.45	—
Polyoxyethylene sorbitan monostearate dms. 20,000 lbs., works	lb.	.42	- —
10,000-20,000 lbs., works	lb.	44	- —
smaller lots works	lb.	47	- .49
tristearate, dms. 20,000 lbs., works	lb.	.42	- —
10,000-20,000 lbs. works	lb.	44	- —
smaller lots, works	lb.	.47	- .49
Polystyrene, colors, special, bgs. over 30,000 lbs frt alld	lb.	.30	.31
20,000-29,999 lbs. same basis	lb.	31	.31½
10,000-19,999 lbs same basis	lb.	.31½	.32
200-9,999 lbs same basis	lb	32	.32½
standard, bgs., over 30,000 lbs., same basis	lb.	.31	- —
20,000-29,999 lbs same basis	lb.	31	- —
10,000-19,999 lbs. same basis	lb.	.31½-	—
200-9,999 lbs. same basis	lb	.31½	—
crystals, heat-resistant, bgs., over 30,000 lbs., same basis	lb.	.27	- .28½
20,000-29,999 lbs same basis	lb.	28	.29½
10,000-19,999 lbs same basis	lb	29	.30½
200-9,999 lbs. same basis	lb	29	.30½
standard, bgs. over 30,000 lbs., same basis	lb.	27	- —
20,000-29,999 lbs same basis	lb.	28	- —
10,000-19,999 lbs same basis	lb	29	- —
200-9,999 lbs. same basis	lb	29	- —
Polystyrene in non returnable fiber dms. ½c per lb higher.			
Pomegranate root bark, bgs	lb.	.60	- .65

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Poppy Flowers—Sodium Aluminate

Poppy flowers, bls.....lb. .85 - .90
Seed, Argentine, bgs.....lb. .16 - .16½
Czech, bgs.....lb. .17 Nom.
Dutch, bgs.....lb. .18½- .19
afloat, bgs.....lb. .18 - —
Polish, bgs.....lb. .16 Nom.
Turkish, bgs., afloat.....lb. No prices.

Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works 100 lbs.10.75 - —
liquid, 45%, dms., c.l., works, l.c.l., works.....100 lbs. 5.125 - —
tanks, works.....100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works 100 lbs.10.15 - —
regular, flake 88-92%, dms., c.l., works..100 lbs. 8.50 - —
l.c.l., works 100 lbs 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis....100 lbs. 3.55 - —
solid, 88-92% dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —

Potassium abietate, dms.....lb. .08 - —
Acetate, dms.....lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 .22
powd., dms.....lb. .22 .24
Bichromate, bgs., c.l., works....lb. .14 - —
l.c.l., same basis.....lb. .14¼- .15
Potassium bichromate in drums, ¾c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton.212.00 - —
ton lots, ex whse.....ton.275.00 - —
less ton lots, ex whse...ton.280.00 - —
Bromate, bbls., 1,000 lbs. or more lb. .50 - .52
25-200-lb. lots.....lb. .55 - .57
Bromide, USP, cryst., gran., bbls., kgs lb. .34 - .37
Carbonate, tech., calcined, bbls., c.l., works..100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works..100 lbs. 6.75 - —
l.c.l., works.....100 lbs. 7.50 - —
USP, gran., bbls., dms.... lb .16½ .18
powd., bbls., dms.....lb. .21 - .23
Chromate, tech., bgs.....lb. .32 - .36
Chlorate, cryst., dms., c.l., works, lb. .089 - —
l.c.l., works lb. .0915-.1015
powd., dms., c.l., works.....lb. .094 - —
l.c.l., works lb. .0965-.1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms..... lb 31 .33
Chloride, USP, cryst., dms ...lb. .26 - .27
gran., dms.....lb. .20 - .22
powd., dms.....lb. .29 - .32
Citrate, USP, gran., dms.....lb. .37½- .38½
powder, dms..... lb 40½ .41½
Cyanide, dms., works.....lb .52½- .55
Fluoride, dms., works.....lb .24 —
Gluconate, dms..... lb. 75 .79
Glycerophosphate, 75% solution cbys..lb. 2.15 - 2.25
Guaiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash caustic).
USP, pellets, jars lb .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb .90 .93
Iodide, dms.....lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., bbls lb .21 - —
powd., bbls lb 25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M..unit-ton. .42 - —
Trona, Cal.....unit-ton. .50½- —
50-51 K_2O, paper bgs., Carlsbad, N. M..ton.25.00 -25.50
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms. lb 42 .44
Perchlorate, dms., l.c.l..... lb .14 .15
kgs., c.l., works lb .13½- —
Permanganate, tech., dms., works, lb. .22½- .23½
USP, dms., works.....lb. .24¾- .25¼
Persulphate, dms., c.l., works lb. .17 - —
Phosphate tetrabasic, bbls., wks, lb 13 .13½
Prussiate, red, kgs ..... lb 60 .63
yellow, bbls ..... lb 21 —
kegs ..... lb 26 —
Ricinoleate, tech., bbls ..... lb 11 —
Silicate, glass, bgs., c.l., works, 100 lbs.14.70 - —
l.c.l. .....100 lbs.15.20 - —
solution, 29° Be., ret. dms., c.l., works 100 lbs. 4.50 - 4.55
l.c.l., 5 dms. or more, works 100 lbs. 5.25 - 6.30
30° Be., ret. dms., c.l., works 100 lbs. 4.70 - —
l.c.l., works.....100 lbs. 5.20 - —
32.5° Be., ret. dms., c.l., works 100 lbs. 4.85 - —
l.c.l., works.....100 lbs. 5.35 - —
40° Be., ret. dms., c.l., works 100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 5.85 - —
40.5° Be, ret. dms., c.l., works 100 lbs. 6.00 - 6.75
l.c.l., 5 dms., or more, works ...100 lbs. 6.75 - 7.50
1-4 dms., works 100 lbs. 7.25 - 7.90
Silicofluoride, bbls works lb .07 .09
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%...ton.36.25 - —
NF, cryst., dms ..... lb. .31 - .33
gran., dms ..... lb 18½- —
powder, dms ..... lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms...lb. .75 .81
tech., works ..... lb 45 .50
Titanate ctns., c.l., works ..lb 12 —
5 tons, works ..... lb 12¼- —
1 ton or less, works ..... lb. .12½- .12¾
Potassium-magnesium sulphate, bulk, works, basis 40% K_2SO_4, 18% MgO...ton.16.00 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb .65 .70
Potassium-zirconium fluoride, fib. dms. c.l., works lb .50 —
l.c.l., works ..... lb 52½ .55
Pregnenolone, bots.....gm 2.50 - —
Acetate, bots .....gm. 2.50 - —
Prickly ash bark, bls.....lb 23 .25
Berries, bgs. .....lb. .60 - .70
Prince's pine herb, bls.....lb 45 .50
Procaine hydrochloride, USP, dms., contract 1,000 lbs. or more, works lb 3.75 4.50
spot ..... lb 4.00 5.00
Progesterone, USP, 100 gms., bots., gm. 4.50 - —
Propane, commercial grade (see group 3 gal. .03 - —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works ..... lb .29½- —
tanks, works ..... lb .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
l.c.l. lb .09½- —
smaller containers, l.c.l.....lb. .12½- —
tanks lb .07 —
Propylene oxide, dms., c.l., frt. alld. E lb. .18½- —
l.c.l., frt. alld. E lb. .19½- —
tanks, frt. alld. E lb. .16½- —
Propyleneglycol, NF, dms., c.l., frt. alld., E lb. .19¼- —
l.c.l., same basis.....lb. .20¼- —
tanks, same basis.....lb. .17½- —
tech., dms., c.l., frt. alld. E....lb. .18¼- —
l.c.l., same basis.....lb. .19¼- —
tanks, same basis.....lb. .16½- —
Methylether, dms., c.l., frt. equald. lb. .19¾- —
l.c.l., same basis.....lb. .20¾- —
tanks, same basis.....lb. .18¼- —
Propylthiouracil, bots., 50 kilos or more kilo.55.00 — —
smaller lots.....lb.55.10 -55.30
Psyllium seed, black, bgs.....lb. .23 - .23½
blonde, bgs. .....lb. .18 - .20
husks, bgs.....lb. .65 - .66
Pulsatilla herb, bls .....lb. .45 .50
Pumice, dom., grd. coarse, 0-½, 1, 1½, 2, 3 bgs., ton lots, lb. .03½- .04
smaller lots .....lb. .03⅞- .04¼
Italian, silk-screen, coarse, bgs., ton lots .lb. .05½- —
fine, bgs., ton lots.....lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots .....lb. .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs .....lb. .18 - .36
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb.11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal. 9.50 - —
regular base dms works. gal. 9.40 - —
liquid, 30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works.gal.14.15 - —
regular base, dms. works. gal.14.05 - —
flowers, fine-grd. 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., c.l., works, and frt. equald. gal. 2.47 - —
l.c.l., same basis .....gal. 2.50 - —
ref., 2°, non-ret. dms., c.l., same basis lb. .89½- —
l.c.l., same basis .....lb. .90 - —
Pyridoxine hydrochloride, 100-gram bots. gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton 8.00 - —
Pyrocatechol (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh, bulk, c.l. mines ton.12.00 -12.50
325 mesh, bulk, c.l. mines ton.15.00 —
No. 3, 200 mesh, bulk c.l. mines, ton 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade 140 mesh bgs., c.l., mines ton.10.00 -10.50

Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin, USP, bots .....lb. 9.54 - —
Scrap, opaque, amber, cs., works, lb. .17 - —
black, cs., works .....lb. .14 - —
gray, cs., works .....lb. .13 - —
mixed, mottled, cs., works.lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works .....lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs. works, lb. .19 - —
colors, cs., works .....lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works .....lb. .17 - —

Q

Quassia chips, bls .....lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs. c.l., lb. .14¾- .15
liq., 35% tannin, bbls., works, lb. .08 - .08½
tanks, same basis .....lb. .07½- —
Quebracho extract, clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08 5/16 —

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs lb. .18 - .20
Quercitron crystals, bbls., l.c.l lb. .33½- —
Extract, liquid, bbls., l.c.l..... lb. .14½- —
solid, bxs gm. .28 - —
Quicksilver, flasks (76 lbs.) net flask.95.00 -96.00
Quince seed, bgs.....lb. .90 - 1.50
Quinidine, NF V, cryst., cns....oz. 1.90 - —
powd., precip., cns .....oz. 1.85 - —
Sulphate, USP, cns .....oz. 1.25 - —
Quinine, NF, cns., 100 ozs .....oz. .70 - —
Bisulphate, USP, cns., 10-) ozs oz. .51 - —
Dihydrochloride, USP, cns .....oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs, oz. .75 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns. 100 ozs oz. 76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP cns. 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns .oz. .68 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- .51¼
l.c.l., same basis ..... lb. .51¼- .51¾
tanks, same basis.....lb. .50 - —

R

R salt, paste, dry basis.. dms., frt. alld. lb. .83 - —
Raspberries, dried, bbls..... lb 1.60 - 1.70
Red, alizarin conc., bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 2.60 - —

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 - —
light shade, bbls., same basis, lb. 3.65 - —
medium shade, bbls., same basis lb. 3.75 - —
medium light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis .....lb. 1.50 - 1.55
light shade, bbls., same basis.lb. 1.40 - —
maroon shade, bbls., same basis lb. 1.55 - 1.65
medium shade, bbls., same basis .lb. 1.50 - —
medium-light shade, bbls., same basis lb. 1.45 - —
orange-red shade, bbls., same basis..lb. 1.25 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- 11¾
Iron oxide, synth., bgs .....lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades, bgs. lb. .60 - —
Lake C, toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works.....lb. .85 - —
Lithol-rubin toner alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb 1.35 1.50
cadmium, deep, bbls., works, lb. 1.20 - —
regular, bbls. works lb 1.10 - —
Iron oxide bgs. l.c.l. works lb .04 - —
MNP, toner kgs., works lb 3.25 - —
Maroons in smaller pkgs. 5c. per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works .....lb. .02½- .02¾
Oxide (see Red iron oxide).
Persian gulf, bgs. works lb. 06¾ .07
Para toner, bbls.....lb. .85 - .90
Phloxin toner (see Red, eosin toner)
Phosphotungstic rhodamine Y, kgs., works lb 4.45 —
Pink lake, alizarin, bbls., works lb .20 .25
Purple lake, kegs .....lb. 1.35 - —
Rose lake, alizarin, bbls., works.lb .25 .28
Spanish oxide, bbls., c.l., ex dock, lb. .05¾- —
l.c.l., ex dock .....lb. .06 - —
ex whse., New York..lb. .06½- —
Toluidin toner (MNPT), kgs., works, lb. 1.35 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald .....lb. .24½- .25
Venetian, 15% bgs., works... lb. 0350 —
20% bgs., works .....lb. .0360- —
25% bgs., works.....lb. .0410- —
30% bgs. works .....lb. .0440- —
35% bgs. works .....lb. .0465- —
40% bgs. works .....lb. 0490- —
Vermilion, Amer., bbls.....lb. .32 - —
Quicksilver ctns .....lb 2.27 - —
Red KB base (see chloro(4)-2-toluidine).
Red Precipitate, NF, powd., fib. dms lb. 2.19 - 2.21
Red saunders wood powd. bbls lb 50 —
Rennin, NF, powder.....lb. 6.25 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works .....lb. .72 - —
tech., dms., c.l., works .....lb .74 - —
l.c.l., works .....lb .75 - —
USP, cryst., dms., works.....lb. 2.50 - —
powd., dms works .....lb 2.70 - —
Monoacetate, NF dms .....lb 3.25 3.45
Rhatany root, bgs .....lb .15 - .16
Rhodinol, 5-lb. cns.....lb.42.00 -45.00
Rhubarb root, China, whole, cs..lb. .70 - .75
powd., bbls. .....lb. .80 - .85
India, whole, bgs.....lb. .30 - .35
powdered, bbls.....lb. .35 - .40
Riboflavin, USP, bots., divd...kilo.125.00 — —
Readily soluble, bots., dlvd...kilo.125.00 - —
Rice bran concentrate, dms. Cedartown, Ga lb. 79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .31 - —
smaller lots.....lb. .31½- .36½
Rose flowers, pale, bls .....lb. .40 - .45
Rosemary flowers, bls .....lb. 1.55 1.65
Leaves, French, bls.....lb. .12 - .12½
Portuguese, bls .....lb. .07 - .07½
Spanish, bls.....lb. .07¼- .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works..100 lbs. 4.00 - —
FF, dms., c.l., works.....100 lbs. 5.70 - —
G, H, I, dms., c.l., works..100 lbs. 7.00 - —
K, dms., c.l., works.....100 lbs. 7.00 - —
M, dms., c.l., works.....100 lbs. 7.00 - —
N, dms., c.l., works.....100 lbs. 7.00 - —
WG, dms., c.l., works....100 lbs. 7.10 - —
WW, dms., c.l., works....100 lbs. 7.35 - —
X, dms., c.l., works.....100 lbs. 7.45 - —
Rotenone, CP, bbls., works.....lb.20.00 - —
tech., bbls., works.....lb.16.50 - —
Rottenstone, bgs., c.l., mines... ton.36.00 - —
l.c.l., mines .....ton.43.00 - —
Rue herb, bls .....lb. .35 .40
Rutin, 10 kilos, fib. dms.....gram. .01¾- .02
smaller lots, fib. dms.....gram. .02¼- .03½
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls ..lb. .70 - —
activated ground with lime, bbls lb. .40 - —
Saccharin, USP, gran., soluble, dms., 1,000-lb. lots lb. 1.50 - —
smaller lots .....lb. 1.60 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb 1.55 —
smaller lots .....lb. 1.65 1.85
Safflower, Egyptian, bls.....lb. .65 - .70
Saffron, Mexican, bls.....lb. 1.10 - 1.20
Spanish, USP, tins.....lb.22.00 -25.00
Safrol, dms. .....lb. .85 1.10
Sage, Cyprus, bls .....lb. .10 - .11
Dalmatian, afloat, bls.....lb. 1.23 - 1.25
Greek, fancy, bls.....lb. No stocks.
Spanish, bls.....lb. .16 - .16½
Syrian, bls.....lb. .16 - .17
Sago flour, bgs.....lb. .07½- .07¾
Sal soda (see Soda sal).
Saligenin, ctns .....lb.14.00 -25.00
Salol, NF, gran., bbls., kgs.....lb. 1.00 —
fib. dms .....lb 1.02 1.03
powdered salol 10c higher
Salt, rock, burlap bgs., c.l., works, 100 lbs. 1.09 - —
l.c.l. .....100 lbs. 1.30 - —
paper bgs., c.l.....100 lbs. .94 - —
l.c.l. .....100 lbs. 1.15 - —
Table, vacuum, common, fine, bgs., c.l., works..100 lbs. 1.09 - —
l.c.l., works.....100 lbs. 1.20 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis..ton.17.00 - —
Saltpeter, crvst. obls., 10 tons 100 lbs.13.90 - —
smaller lots .....100 lbs.14.15 -14.40
gran., bbls., 20 tons .....100 lbs. 9.25 - —
smaller lots .....100 lbs.10.50 -11.00
powd., bbls., 20 tons ....100 lbs.10.25 —
smaller lots .....100 lbs.11.50 -12.00
NF gran. dms ..... lb 15¼ .17¾

Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs $1 more.

Sandalwood chips, East Indies, bgs., lb. .65 .66
powd., dms. .....lb. .75 .76
Sanguinarine nitrate, bots .... oz. 4.75 5.50
Santonin, NF cryst., powd. cns.kilo. No stocks.
Saponin, No. 1 cns .....lb. 2.45 —
Sarsaparilla root, dom., bls.....lb. .30 - .40
Honduras, bls .....lb .40 .45
Mexican, bls .....lb. .30 - .32
Sassafras bark, ord., bls .....lb. .35 - .40
select, bls .....lb. .50 - .55
Savory, French, bls.....lb. .11 - .11½
Spanish, bls. .....lb. .10 - .10½
Saw palmetto berries, bgs.....lb. .26 - .35
Scammony resin, lump, cns.....lb 1.95 - 2.20
powd., cns. .....lb. 2.05 - 2.30
Root, bgs .....lb. 11 .14
Schaeffer's salt, bgs., frt. alld....lb. .73 - —
Scopolamine hydrobromide, bots oz.16.00 -17.00
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs..lb. .26¾- —
smaller lots .....lb. .27¼- —
dms., 100 lbs. or less.....lb. .28¼- .32½
Selenium, powd., dms., dlvd....lb. 3.25 - —
Senega root, bls.....lb. 2.50 - 2.60
Senna leaf, Alex., half-leaf, bls lb. .16 - .18
sifting, bgs. .....lb. .16 - .18
Tinnevelly, No. 1, bls.....lb. .22 - .24
No. 2, bls.....lb. .18 - .22
No. 3, bls .....lb. .15 - .17
powdered, bls., bxs.....lb. .20 - .24
Pods, bls.....lb. Nominal.
Serpentaria root, bls.....lb. 3.25 Nom.
Sesame seed, Chinese, white, natural, bgs..lb. .16 - .16½
hulled, bgs. .....lb. .18 - .18½
Nicaragua, hulled, bgs.....lb. .22 - .27
natural, bgs .....lb. .18½- .19
Salvadorean, bgs.....lb. .13 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .51½- —
bbls., 1,500-lb. lots .....lb. .52 - —
kgs., 1,500-lb. lots .....lb. .54 - —
refined, bgs., 1,500-lb. lots...lb. .61½- —
bbls., 1,500-lb. lots .....lb. .62 - —
kgs., 1,500-lb. lots .....lb. .64 - —

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs.....lb. .49 - .50
No. 2, bgs .....lb. .47 - .48
Superfine, bgs., 10 bgs .....lb. .45 - .46
TN, bgs., 10 bgs.....lb. .43 - .44
Shellac in 1 to 9 bgs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton.20.00 -30.00
l.c.l., works.....ton.25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 - —
l.c.l., works.....ton.25.00 - —
140 mesh, bgs., c.l., works ton 12.00 - —
l.c.l., works.....ton.17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works.....lb. .18½- .20¼
Silver bullion, ingots, cs.....oz. .77¾- —
Cyanide, fib. dms., 2,500-oz. lots oz. .71⅜- —
1,000-oz. lots .....oz. .71⅞- —
500-oz. lots.....oz. .72⅛- —
100-oz. lots.....oz. .72⅜- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .50⅜- —
1,000-oz. lots.....oz. .51⅞- —
500-oz. lots.....oz. .52⅜- —
250-oz. lots.....oz. .52⅞- —

USP granular silver nitrate 4c. per oz higher

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz(.95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls.....lb. .85 Nom.
Skullcap herb, Eastern, bls .....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .30 - .35
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs .....lb. .24 - .28
Smalt, black, ctns.....lb. .11½- —
Blue, ctns.....lb. .15½- —
Snakeroot, Canada, bls.....lb. .90 - 1.00
Soapbark, bls.....lb. .24 - .27
crushed, bls., bbls.....lb. .29 - .35
powd., bbls.....lb. .30 - .35
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., stock points....100 lbs. 2.85 - 4.62
bbls., c.l., works .....100 lbs. 2.15 - —
l.c.l., stock points....100 lbs. 3.35 - 4.12
bulk, c.l., works.....100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works .....100 lbs. 2.05 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.20 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.75 - —
l.c.l., stock points....100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.55 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.65 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.65 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.75 - —
solid, 76%, dms., c.l., works.. 100 lbs. 3.35 - —
l.c.l., stock points....100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works.....100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.70 - —
Soda-lime, USP dms.....lb. .23 .25
Sodium acetate, anhyd., dms., works. lb. .10½- .12
NF, powder, bbls., works.....lb. .08½- .09½
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb 48 —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
Aluminate, 20,000 lbs. or more, bgs. 100 lbs. 8.50 - —
smaller lots .....100 lbs. 9.50 - —

Sodium antimoniate, bbls., c.l., dlvd. E. lb. .27½- —
l.c.l., dlvd lb. .28½- —
Arsenate, dealers, dms., c.l., works. lb. .12 —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms., works gal. .60 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
smaller lots lb. 1.30 - 1.65
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 3.15 - —
powd. bgs. c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.75 - —
Bichromate, bgs., c.l., works lb. .10½- —
l.c.l., same basis lb. .10¾- .11½
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13½- —
l.c.l., same basis lb. .14½- —
Bisulphate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.15 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.90 - —
l.c.l., works 100 lbs. 4.15 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l. works 100 lbs 1.50 —
Borate (see Borax).
Bromide, USP, bbls., kgs. works. lb. .34 - .35
Cacodylate, NF, jars, dms lb. 7.00 8.00
Carbonate, anhydrous (see Soda ash).
crystalline, monohydrated, bgs., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
l.c.l., works lb. .08¼- —
powd., kgs., works lb. .09½- —
Chloride, tech. (see Salt).
USP, dms lb. .21 - —
Chlorite, tech. dms. works lb .75 —
Chloroacetate, tech. dms., c.l., works lb. .20 —
l.c.l. dms. works lb .21 .22
Chromate, dms., c.l., works lb. .12¼- —
l.c.l., same basis lb. .12½- .13¼
Citrate, anhyd., dms lb. .60 - .65
USP VIII, anhyd., dms lb. .23 - .28
USP XIII, gran., dms lb. .28 .32
Sodium citrate, USP XIII, powd. prices ½c higher.
Cyanate, dms., 1,000 lbs., works. lb 1.10 - —
smaller lots, works lb 1.25 - —
Cyanide, 96-98%, dms lb. .17 - .19
Diacetate, 33-35% acidity, bbls., works lb. .12 - .13½
anhydrous, dms., works lb. 14 .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - .11¼
95%, bbls., c.l., works lb 10¾ —
l.c.l. works lb 11 —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb 12 00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots lb.11.00 —
Formate, bgs. c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs 8.15 —
Gluconate, dms. lb 83 .85
Glutamate, monohasic, dms., c.l., dlvd. lb. 1.60 - —
smaller quantities, dlvd lb. 1.63 - —
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls lb. 1.85 - 2.00
solution, 75%, cbys lb. 1.06 - 1.11
Hydride, dms. works lb 2.00 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms. c.l., frt. alld. lb. .23½- —
l.c.l., frt. alld lb. .24 - —
Hydroxide, tech. (see Soda, caustic).
USP pellets, dms lb .25 —
Hypophosphite, NF, ton lots or less, dms lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs 4.10 —
pea, bgs. 100 lbs 3.90 4.85
gran., bgs., c.l., works 100 lbs. 4.00 —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
Us. e Sodium thiosulphate)
Iodide, USP, bots., dms lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works. lb .13 .14
Metaborate, octa-hydrate, gran., bgs., c.l., works ton.78.50 - —
l.c.l., ex whse ton.124.50 -129.50
tetrahydrate c.l. bbls. works ton.199.50 - —
Sodium metaborate in bbls. $20 per ton higher
Metal, tanks, works lb. .16 —
bricks, dms works lb. .17 .18
Metanilate, bbls., frt. alld lb. .57 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 6.10 - —
dms., c.l. 100 lbs. 4.85 - —
l.c.l. 100 lbs. 6.35 - —
pentahydrate, bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., bgs., works 100 lbs. 4.15 - 4.65
dms., c.l., works 100 lbs. 4.15 - —
bbls., l.c.l., works 100 lbs. 4.55 - —
Molybdate, anhyd., bbls., works. lb. .60 - —
Monohydrate (see Sodium carbonate, monohydrated).
Napthionate, bbls lb. .66 - —
Nitrate, crude, dom., bgs., c.l., works ton.48.50 - —
bulk c.l. works lb 45 00 —
imp. 100-lb. bgs. c.l. Atl Gulf Pac whse ton.51.50 —
bulk, c.l. same basis ton.48 00 —
Nitrite, 99½% bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. 08¾- —
USP dms lb 21 —
Orthosilicate, anhyd., dms., c.l. works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 7.60 - —
hydrated flake bbls. c.l. works 100 lbs 4.25 —
l.c.l. works 100 lbs 4 50 5.75
Oxalate, neut., bgs., works lb. .09½- —
Para-aminonenzoate, dms., 1,000 lbs or more lb 3.50 —
smaller lots lb 3.65 —
Para-aminosalicylate, dms., 1,000-lb. lots lb. 5.75 - 7.50
smaller lots lb. 5.80 - 7.80
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½- —
l.c.l. same basis lb .22½ 24½
pellets, bgs. c.l same basis lb 21 —
l.c.l., same basis lb 22 .24

Sodium pentachlorophenate, powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .19¾- —
l.c.l., works lb. .20¾- .21¼
Peroxide, dms., c.l., dlvd. E. of Miss lb. .19 - —
l.c.l., same basis lb. .19½- .20
Phenolsulphonate, USP IX, gran., dms lb. .38 .39
powd., dms lb. .41 - .42
Phosphate, dibasic, anhydr., bgs., c.l., works 100 lbs. 6.90 - —
l.c.l., works 100 lbs. 7.30 - —
cryst., bgs. c.l. works 100 lbs 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
USP, dried, powd. bgs., dms. works lb. .19 .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works 100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., works, frt equald 100 lbs. 3.90 - —
l.c.l., same basis 100 lbs. 4.30 - —
Sodium phosphates in bbls, 40c. higher than bgs
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.50 - —
ferric, dms., 1,500 lbs. works. lb .30 —
smaller lots, works lb 31 —

Sodium pyrophosphate, tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.05 - —
l.c.l., frt. equald 100 lbs. 7.35 - —
Salicylate, USP, dms lb. .61 - .63
Sesquicarbonate, bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1 100 lbs. 3.85 - 4.25
zone 2 100 lbs. 4.11 - 4.51
zone 3 100 lbs. 4.40 - 4.70
zone 4 100 lbs. 5.11 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H. and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn., Mo (except St. Louis), Neb., E. of 98° N. C. S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96° Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls. c.l. works 100 lbs 2 45 —
Sesquisilicate, anhy. dms., c.l., works 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works 100 lbs. 1.20 - —
l.c.l., works 100 lbs. 1.55 - 1.95
tanks, works ton.19.00 - —
52°, turbid., dms., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.40 - —
tanks, works ton.37.00 - —
solid, bgs., works ton.55.00 - —

Sodium silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works lb. .049 —
Stannate, dms. works, frt. alld. E. lb. .644 - .70
Stearate, USP, anhyd., bbls., work lb. .51 - .56
Sulphanilate, bbls., works lb .22 - —
Sulphate, NF VII, dried, gran., dms lb .14½ .16½
tech., anhyd., ogs., c.l., works 100 lbs 2.00 —
l.c.l., works 100 lbs 2.35 2.60
cryst. (see Glauber's salt)
USP, cryst., bbls lb .17 .19
gran., bbls lb .17 17½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - 5.00
l.c.l., same basis 100 lbs. 5.25 - 5.75
fused, bbls., c.l., works, frt equald 100 lbs. 4.00 - 4.50
l.c.l., same basis 100 lbs. 4.50 - 5.00
Sulphite, anhyd., by-product, powd., bgs., c.l. frt. equald 100 lbs. 2.50 2.75
l.c.l., same basis 100 lbs. 3.25 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., same basis 100 lbs. 7.25 - —
regular, crystals, bgs., c.l., works 100 lbs. 4.10 - —
l.c.l., works 100 lbs 4.50 4.75
bbls., c.l., works 100 lbs 4.50 —
l.c.l., works 100 lbs 4.90 —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. .51 - .61

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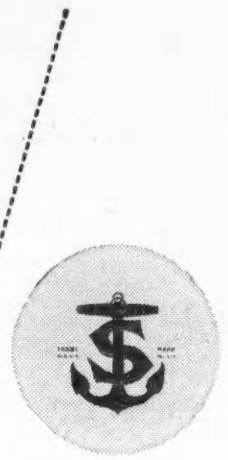

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Ortho-dichlorobenzene • Formaldehyde • Monochlorobenzene
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Sodium Sulphydrate—Tankage

Sodium sulphydrate, flake, 70-72%, dms., works, c.l. lb. .05¾- —
t.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 - —
t.c.l., works lb. .03¼- —
Thiocyanate, CP, dms lb. .55 .65
tech., dms. works lb .30 —
Thiosulphate tech. (see Sodium hyposulphite).
USP cryst. bbls lb .10 .12
Titanate, etns., c.l., works lb. .10 - —
5 tons, works lb .10¼- —
1 ton or less, works lb .10½- .11
Trichloroacetate, dms. lb. .46 - .55
Tripolyphosphate, bgs. c.l. works, frt. equald 100 lbs. 7.55 - —
t.c.l., same basis 100 lbs. 7.95 - —
Tungstate, tech. kgs., dlvd. East lb. 1.50 - —
Sodium-ammonium phosphate, bbls., works, frt equald lb .23 - —
Sodium carboxymethylcellulose—See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd. lb. .24½- —
l.c.l., same basis lb. .25 - —
Sodium sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
t.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs. same basis lb 30 —
Solvent naphtha, coal tar, tanks, works gal. .28 - .31
high-flash, tanks, works gal. .28 - .31
Solvent naphtha, petroleum, 100° F., flash, tanks, Baytown, Tex. gal. .28 - —
Bayonne gal. .32 - —
150 F flash, tanks, same basis-gal. .28 - —
Sorbitan monostearate, fib dms., 20,000 lbs., works lb. .31 - .32
10,000 to 20,000 lbs., works lb. .33 - .34
smaller lots, works lb. .36 - .39
tristearate, fib. dms., 20,000 lbs. works lb. .31 - —
10,000 to 20,000 lbs., works lb. .33 - —
smaller lots, works lb. .36 - .38
Sorbitol, cryst. pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works lb. .32 - .33
powd., dms. ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25¼- —
less ton lots, works lb. .26 - —
tanks, works lb. .23½- —
regular, 70% aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur, ton.56.50 - —
50%, same basis ton.65.00 - —
protein, chemically isolated, 40-000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis lb. .0615- —
smaller lots, same basis lb. .0630- —
Sparteine sulphate, ens. oz. .55 - 1.25
Spearmint leaves, bls. lb. .60 - .65
Spikenard root, bls lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine leaves, bls. lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.60 - —
White, bls. lb. .12 - .14
powd., bbls., bxs. lb. .16 .18
St. Ignatius beans, bgs. lb. No stocks.
St. John's bread, edible, bls lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 - —
paste, dms., works lb 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 6.12 - —
Chicago 100 lbs. 5.47 - —
l.c.l. 100 lbs. 6.27 - —
powd., paper bgs., c.l. 100 lbs. 6.23 - —
Chicago 100 lbs. 5.58 - —
l.c.l. 100 lbs. 6.38 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs higher.
Potato, Idaho, bgs., c.l., works lb. .05 - —
Maine, bgs., c.l., works lb. .05 - —
l.c.l., spot lb. .07½- .07¾
Rice, bgs. lb. .10¾- .11
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0660- .0710
Stavesacre seed, bgs lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 .38
Stoneroot, bls lb. .07½ .08
Storax, USP cs lb 1.50 1.60
Stramonium leaves, bgs. lb. .22 .24
Seed, bgs lb. .20 .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide, NF, ens., dms., lb. .67 - —
Carbonate 90% dms. lb. .15½- .16¼
Chloride, tech., bbls. lb. .22 - .24
Chromate, bbls., works lb. .50 —
Iodide, jars, 25 lbs. lb. 3.37 - —
Nitrate, bbls., c.l. works lb 09¼- —
t.c.l. works lb. 10¼- —
Oxalate, bbls, works lb 42 .44
Salicylate, NF, dms. lb. 1.65 - —
Sulphate air-floated, 90% 325 mesh bgs. works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent dms. works lb 2.50 2.85
Strophanthin NF, bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb 3.00 3.25
Strychnine NF powd. ens. 100 ozs. oz. 1.25 - —
Phosphate NF, 100 ozs oz. 1.14 - —
Sulphate USP powd. ens., 100 ozs oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .19¼- —
l.c.l., works lb. .20¼- —
tanks, works lb. .18 - —
Styrolyl acetate bots lb 2.50 3.10
Sucrose octa-acetate denat., bbls. t.c.l., works lb 60 - —
tech. bbls. t.c.l. works lb 55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide dms lb 4.25 - 4.60
Sulphabenzamide-sodium dms lb 4.25 4.60
Sulphadiazin, USP crystals, free flowing, dms lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10.75
Sulphadiazin-sodium, USP granules, free flowing, dms lb.12.25 -12.75
powder lb.11.25 -11.75
Sulphaguanidin USP, dms lb 4.50 5.00
Sulphamerazin USP micro crystals, 99.9% not over 10 microns, dms lb.10.55 -11.05
powder, dms lb.10.25 -10.75
Sulphamerazin-sodium USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.80 - 9.30
powder, dms lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing, dms lb. 1.40 - 1.60
microcrystals, dms. lb. 1.55 - 1.75
powder, dms lb. 1.30 - 1.50
Sulphanilamido-quinoxaline veterinary, dms lb. 8.05 - 8.25
Sulphapyridin NF, powd. bots, tins, lb 7.00 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 8.00
Sulphathiazole, USP crystals, free flowing, dms lb. 4.00 - 4.50
micro crystals, 99.9% not over 10 microns, dms lb. 3.75 - 4.05
powder, dms. lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 1.85 - —
bbls., mines 100 lbs. 2.50 - —
lump, bgs., mines 100 lbs. 1.70 - —
bbls., mines 100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract long ton.22.00 - —
f.o.b. vessels, Gulf ports, export long ton.25.00 - —
domestic and Canada long ton.23.50 - —
refined, flowers, USP, bgs., mines, 100 lbs. 3.70 - —
bbls. 100 lbs. 4.85 - —
flour, light, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 4.25 - —
lump, bgs., mines 100 lbs. 2.90 - —
roll, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.15 - —
bbls., mines 100 lbs. 3.30 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 3.75 - —
bbls., mines 100 lbs. 3.80 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.80 - —
10% pine tar treated, bgs., mines 100 lbs. 3.75 - —
washed, NF, bot lb. .31 - —
Chloride, mono., 55-gal. dms., c.l., frt. equald lb. .03¼- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works lb. 0535- —
tanks, works lb. 045 —
refrigeration, cyls., l.c.l., dlvd lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex-dock ton.80.00 Nom.
Extract, No. 1, bbls., 25% lb. .12½- —
No. 2, bbls., 25% lb. .11 - —
crystals, bbls lb. .44 - —
stainless, bbls lb. .14 - —
Leaf, 28% grd., bgs., ex-dock, short ton.84.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, Balto unit-ton. .76 - —
Carteret, N. J unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, imported, bls. lb. .90 - 1.00
Californian, bgs. lb. 1.15 - 1.20

T

2,4,5-T, tech. acid, dms., c.l. works, lb. 1.50 - —
l.c.l., same basis lb. 1.55 - —
isopropyl ester, tech., dms., c.l., works lb. 1.60 - —
l.c.l., same basis lb. 1.65 - —
Talc, dom. ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.25.00 - —
l.c.l., works ton.27.00 - —
imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, edible, dms., c.l. lb. .16½ Nom.
inedible, extra, loose, c.l., dlvd. lb. .12 - —
fancy, loose, c.l., dlvd lb. .12¼- —
special, loose, c.l., dlvd lb. .11¼- —
sulphonated, 25%, dms. lb. .09 - .09½
50%, dms. lb. .11½- .12
Tamarind, W. I. bbls. lb. .10 - .15
kegs keg 10.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.25 - —
Chicago unit-ton. 8.75 - —

Mutual's

SODIUM BICHROMATE

OTHER NAMES: Sodium Dichromate, Bichromate of Soda

FORMULA: $Na_2Cr_2O_7.2H_2O$

MOLECULAR WEIGHT: 298.05

DESCRIPTION: Deliquescent, orange-red, prismatic crystals.

- Bulk Density averages 96 lb. per cu. ft.
- $Na_2Cr_2O_7.2H_2O$ 99.8% min.
- Chloride as Cl 0.06% max.
- Sulfate as SO_4 0.2% max.

USES: Chrome tanning of hides to produce durable, flexible leather. Yellow, orange and green pigment manufacture. Corrosion control in water and brine systems, drilling muds, petroleum pipe lines, etc. Surface treatment of metals to improve corrosion resistance, surface finish or paint adherence. Mordanting and oxidation of dyes for textiles. Photography, bleaching and purification of fats, chemical oxidation, wood preservation and others.

SHIPPING CONTAINERS: Bags — 100 lbs. net
Fibre Drums — 400 lbs. net

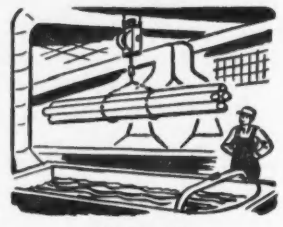
OTHER MUTUAL PRODUCTS

Potassium Bichromate — Sodium Chromate
Potassium Chromate — Ammonium Bichromate
Chromic Acid

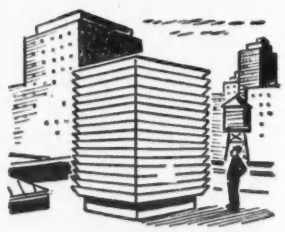
MUTUAL CHEMICAL COMPANY OF AMERICA

270 MADISON AVENUE • NEW YORK 16, N. Y.

TANNING


METALS

PIGMENTS


AIR CONDITIONING

TEXTILES

MUTUAL CHEMICAL CO. OF AMERICA — MUTUAL — SINCE 1845 — REG. U.S. PAT. OFF.

Tansy leaves, bls	lb.	.28 - .30
Tapioca flour, high grade, bgs	lb.	.07½- .07¾
medium grades, bgs	lb.	.07 - .07¼
low grades, bgs	lb.	.06¼- .06¾
Java, bgs	lb.	No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald	gal.	.43½- —
l.c.l., same basis	gal.	.46½- —
tanks, same basis	gal.	.35½- —
25-28%, dms., c.l., same basis	gal.	.50½- —
l.c.l., same basis	gal.	.53½- —
tanks, same basis	gal.	.42½- —
50-53%, dms., c.l., same basis	gal.	.53 - —
l.c.l., same basis	gal.	.71 - —
tanks, same basis	gal.	.60 - —
Tar, coal (see Coaltar).		
Pine (see Pinetar).		
Tara pods, bgs., c.l., ex dock U. S. ports	long ton.	No prices.
powd., bgs., c.l., same basis	long ton.	225.00 Nom.
Tarragon herb, bgs	lb.	.45 - .50
Leaves, bgs	lb.	.75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs	lb.	.49 - —
dms.	lb.	.50 - .54
USP, powd., bbls., dms., kgs	lb.	.52 - .53
Terpin hydrate, com'l, bbls., c.l.	lb.	.24½- —
l.c.l.	lb.	.25 - .25½
NF, cryst., bbls., dms	lb.	.75 - —
powd., bbls., dms	lb.	.80 - —
Terpineol, Alpha (see A).		
com'l, dms., c.l., South	lb.	.13½- —
l.c.l., South	lb.	.14 - —
tanks, South	lb.	.13 - —
prime, dms	lb.	.33 - .60
Terpinglycol ether, dms., c.l., works	lb.	.19½- —
l.c.l., works	lb.	.20 - —
tanks, works	lb.	.19 - —
Terpinyl acetate, extra, cns., dms	lb.	.60½- .70½
prime, dms	lb.	.39 - .50
Terra alba (see Gypsum).		
Testosterone, USP, 100 gms., bots.	gm.	3.75 - —
Propionate, USP, 100 gms., bots.,	gm.	3.75 - —
Tetrachloroethane, dms., works	lb.	.08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works	lb.	.20½- .21½
smaller dms., works	lb.	.23½- .25
tech. (see Perchloroethylene).		
Tetraethyl orthosilicate, dms., works.	lb.	.70 - —
Pyrophosphate 40% cns., dms., works	lb.	.80 - —
Tetraetnylenepentamine, dms., c.l., works	lb.	.51½- —
l.c.l., works	lb.	.52 - —
tanks	lb.	.50 - —
Tetrapotassium phosphate (see Potassium phosphate).		
Tetrasodium pyrophosphate (see Sodium pyrophosphate).		
Thallium metal, dlvd	lb.	12.50 -15.00
sulphate, 99% bots., dlvd	lb	10.50 -13.00
Theobromine, fib. dms	lb.	5.25 5.32
Salicylate, fib. dms	lb.	4.40 4.45
with sodium acetate, USP, dms	lb.	4.05 - 4.10
Sodio-salicylate, fib. dms	lb.	3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb. dms	lb.	5.50 - 6.00
Thiamine hydrochloride, USP, bots., 100 grams	kilo	160.00 —
Mononitrate, bots., 100 grams	kilo.	160.00 - —
Thiocarbanilide, dms	lb	40 - .42
Thiodiphenylamine (see Phenothiazine)		
Thiouracil, dms. works	lb	5.50 6.60
Thiourea, tech., dms., c.l., works	lb.	.44 - —
l.c.l., works	lb.	.46 - —
Thorium nitrate cs. works	lb	3.00 —
Threonine, dextro - laevo, bots., 100 grams.		115.00 - —
Thyme, French, bgs	lb.	.16 - .18
Spanish, bls	lb.	.08½- .09
Thymol, kgs.	lb	3.50 —
Iodide, NF, dms	lb	6.60 - 6.70
Timbo root (see Cube root).		
Tin chloride stannous, anhyd., dms., works	lb.	.968 - .978
Crystals, hydrous, bgs., bbls., works	lb.	.79½- —
Metal	lb.	1.21 - —
Oxide, bbls	lb.	1.19 - —
Sulphate, stannous, bbls	lb.	1.07 - 1.09
Tetrachloride, anhyd., dms., works.	lb.	.68½- .69½
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd	lb.	.19½- —
t.c.l. dlvd	lb	20 .20½
chalk resistant, bgs., c.l., dlvd.	lb.	.19½- —
t.c.l. dlvd	lb	20 .20½
plain, bgs., c.l., dlvd	lb	19½ —
t.c.l., dlvd	lb	20 .20½
rutile, natural, granular, bgs., c.l. works	lb	05 —
5-ton lots, works	lb	05¼- —
milled, bgs., c.l., work	lb	05¼- —
5-ton lots, works	lb.	05½- —
nonchalking, bgs. c.l. dlvd E.	lb.	21½ —
t.c.l., dlvd E	lb	22 .22½
Hydride, cns. works	lb	7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l. dlvd	lb	07½ .07¾
t.c.l. dlvd	lb	08 .08¼
Titanium dioxide and pigment tr. bbls. ¼c higher; Pac coast c.l. dlvd. t.c.l. ex whse ½c higher		
Tetrachloride, CP, 55-gal. dms.	lb.	.57 - .58
smaller pkgs. works	lb	65 1.22
technical, 5-gal. dms., works	lb	32 —
smaller pkgs works	lb	40 1.00
Tolu balsam, cns., dms	lb.	3.75 - 4.00
Toluene (see Toluol)		
Tolidin base, distilled, kgs	lb.	1.20 - —
Toluol, coaltar, industrial and nitration, tanks, works:—		
Bethlehem, Pa	gal.	.27 - —
Birmingham dist	gal.	.25 - —
Chicago dist	gal.	.28 - —
Cleveland district	gal.	.27¾- —
Geneva, Utah	gal.	.21 - —
Hamilton, Ohio	gal.	.27 - —
Johnstown, Pa	gal.	.25 - —
Lackawanna, N. Y	gal.	.28 - —
Lone Star, Tex	gal.	.26½- —
Lorain, Ohio	gal.	.26 - —
Minequa, Colo	gal.	.25½- —
Philadelphia, Pa	gal.	.28½- —
Pittsburgh district	gal.	.25 - —
Sparrow's Point, Md	gal.	.27 - —
St. Louis, Mo	gal.	.30 - —
Syracuse, N. Y	gal.	.25½- —
Terre Haute, Ind	gal.	.28½- —
Wyandotte, Mich	gal.	.28 - —
Youngstown, Ohio	gal.	.25½- —
Petroleum, industrial 2° tanks works—		
Albany, N. Y.	gal.	.30 - —
Bayonne, N. J.	gal.	.30 - —
Baytown, Tex.	gal.	.28 - —
Chicago, Ill.	gal.	.30 - —
Detroit, Mich	gal.	.30 - —
Philadelphia, Pa.	gal	.30 - —
Providence, R. I.	gal	.30 - —
Wood River, Ill	gal.	.30 - —
Tolylene di-isocyanate, dms., works	lb.	4.00 - 4.50
Tonga 50% bark and vine, bls	lb	.08 .95
Tonka beans, angostura, cks	lb	.75 .80
Brazilian, cs	lb	1.00 1.15
Surinam, cs	lb	1.00 1.15

Toxaphene, dms., works, c.l.	lb.	.20 - —
truckloads, works	lb.	.20 - —
ton to truckloads, works	lb.	.23 - —
less than tons, works	lb.	.26 - —
Totaquine, 100-oz. lots, cns	oz.	.42 - —
Triacetin, dms., dlvd	lb.	.45 - .46
Tributyl citrate, tech., dms	lb.	.31½- —
smaller containers	lb.	.57 - —
Phosphate, dms., c.l., frt. alld	lb.	.56½- —
l.c.l., same basis	lb.	.57½- —
smaller containers	lb.	.61½- —
Tributylamine, dms., c.l., frt. alld.	lb.	.78¾- —
l.c.l., same basis	lb.	.79¾- —
tanks, same basis	lb.	.77 - —
Trichlorobenzene, dms., c.l., works, frt. alld.	lb.	.11½- —
l.c.l., frt. alld	lb.	.12½- —
tanks, frt. alld	lb.	.10 - —
Prices in the West, 1¾c. higher.		
Trichloroethane, dms., c.l., works.	lb.	.13 - —
l.c.l., works	lb.	.13½- —
tanks, works	lb.	.11½- —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald.	lb.	.11 - —
l.c.l., same basis	lb.	.11½- —
tanks, same basis	lb.	.10 - —
Trichloroethylene, dms., c.l., dlvd. E	lb.	.11¼- —
l.c.l., dlvd. E	lb.	.11¾- —
tanks, dlvd. E	lb.	.10¼- —
Tricholine citrate, 65% solut., ret., cbys., works, frt adjusted..	lb.	2.10 - 2.13
Tricresyl phosphate, coaltar, dms., c.l., dlvd.	lb.	.34 - —
l.c.l., dlvd	lb.	.35 - —
tanks, dlvd	lb.	.32¼- —
petroleum, dms., c.l., dlvd.	lb.	.34 - —
l.c.l., dlvd	lb.	.35 - —
tanks, dlvd	lb.	.32¼- —

Triethanolamine, dms., c.l., frt. alld. E	lb.	.24¾- —
l.c.l., same basis	lb.	.25¾- —
tanks, same basis	lb.	.23 - —
Triethylamine, dms., c.l., works, frt. alld, E.	lb.	.38 - —
l.c.l., same basis	lb.	.39 - —
tanks, same basis	lb.	.36¼- —
Triethyl citrate, tech., dms	lb.	.27 - —
smaller containers	lb.	.50 - —
refd., dms	lb.	.71 - —
smaller containers	lb.	.84 - —
Phosphate, dms., works, c.l.	lb.	.38 - —
l.c.l., same basis	lb.	.39 - —
tanks, same basis	lb.	.37 - —
Triethyleneglycol, dms., c.l., frt. alld., E.	lb.	.22¼- —
l.c.l., same basis	lb.	.23¼- —
tanks, same basis	lb.	.20½- —
Triethylenetetramine, dms., c.l., works.	lb.	.41½- —
l.c.l., works	lb.	.42 - —
tanks	lb.	.40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis,	lb.	.38 - —
l.c.l., works, frt. equald, 100% basis	lb.	.38½- —
tanks, works, frt. equald., 100% basis	lb.	.33 - —
Trimethylhexanol, dms., c.l., works.	lb.	.29½- —
l.c.l., works	lb.	.30 - —
tanks, works	lb.	.28 - —
Tripentaerythritol, bgs., l.c.l. works.	lb.	.35½- .37½

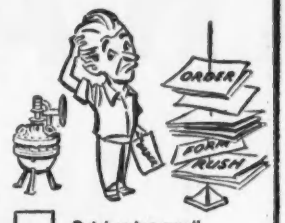
Triphenyl phosphate, bbls. c.l., frt. equald	lb.	.33 - —
l.c.l., frt. equald	lb.	.34 - —
Triphenylguanidine, bbls. works	lb	90 —
Tripoli air-floated, bgs. c.l. works	lb	015 —
double-grd. bgs. c.l. works	lb	016 —
single-grd. bgs. c.l. works	lb.	015 —
Tripropyleneglycol, dms., c.l., frt. alld.	lb.	.25½- —
l.c.l., frt. alld	lb.	.27½- —
tanks, frt. alld	lb.	.23½- —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic)		
Trisodium phosphate (see Sodium phosphate tribasic.		
Trypsin, pharmaceutical, 1:80 dms., works	lb.	5.00 - —
Tryptophane dextro-laevo, fib cans. works	kilo.	207.00 -242.00
Tuba root (see Cube root)		
Tungsten metal powd. 99.9%, dms. works	lb	4.50 4.75
Turmeric root, Alleppey, bgs	lb.	.34 - .35
Haitian, bgs	lb.	.10 - .10¼
Jamaica, bgs	lb.	.09½- .10
Madras, bgs	lb.	.16 - .17
Turpentine, gum (see Naval Stores Protective Coatings market).		
Wood, dest.-dist., dms., extra, c.l., works, South	gal.	.59 - —
l.c.l., same basis	gal.	.60 - —
l.c.l., whse	gal.	.70 - —
steam-dist., dms., incl., c.l., works	gal.	.50 - —
l.c.l. works South	gal.	56 - —
ex whse., NYC	gal.	76 - —
tanks, works	gal.	.42 - —
Tyrothricin, bots.	gram	1.00 1.10

If You **SULFONATE** ...You've Got Problems

JUST CHECK THEM OFF

☐ Time-consuming stratification step.

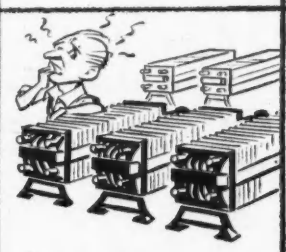
☐ Solvent losses during extractions.



☐ Batches too small.

☐ Organics resist conventional sulfonations.

☐ Wrong isomers formed.



☐ Filtration of sulfate sludge.

☐ Spent acid disposal.

☐ Corrosion from by-product HCl.

If you want to solve them, use **Sulfan***

BASIC CHEMICALS

FOR AMERICAN INDUSTRY

General Chemical SULFAN, stabilized sulfuric anhydride, has helped many manufacturers solve their sulfonation problems. Its advantages and economies are evident in producing detergents, dyestuffs, pharmaceuticals, textile wetting agents, organics, plastics and other products.

You may find it has much to offer in your operations too. To study its benefits, draw upon the special application data General Chemical has available for various processes. A confidential letter outlining your special problems will enable us to compile material of greatest immediate value to you. Write today to—

Product Development Department

GENERAL CHEMICAL DIVISION

ALLIED CHEMICAL & DYE CORPORATION

40 Rector Street, New York 6, N. Y.

Offices in Principal Cities from Coast to Coast

*"Sulfan" is General Chemical's registered trade-mark for liquid sulfur trioxide.

Urethane—Woodflour

U

Urethane, USP, dms..... lb. 1.50 - —
Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, black, bgs..... lb. 2.55 - —
yellow, tgs..... lb 1.65 - —
Urea, dom. 46% N, bgs. c.l., wks. lb. .04¾- —
l.c.l., works ..... lb. .05¼- —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla. S Dak., Tex. and east..ton.99.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va ton.115.00 - —
C and D grades, tankcars same basis ton.113.50 - —
37 grade, tankcars same basis ton.137.50 - —
Uva ursi leaves, bls..... lb. .10 - .12

V

Valerian root, Belgian, NF, bls lb. .35 - .37
Valine, dextro-laevo, dms., works lb.21.00 -27.50
Valonia beards, bgs., ex dock..ton.82.00 -84.00
Cups, bgs., ex dock..... ton.58.00 -62.00
Extract, powd., bgs. ex dock, duty extra lb. .09½Nom.
Vanadium pentoxide, CP bgs., cns., works lb. 7.00 - —
tech., dms., works lb 1.00 - 1.06
Vanilla beans, Bourbon, tins....lb. 3.75 - 4.25
Mexican, cuts, tins.....lb. 6.50 - 6.75
whole, tins .....lb. 7.25 Nom.
Tahiti, cs. .....lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.00 - —
smaller lots.....lb. 4.05 - 4.15
ex guaicol, tins, 25 lbs.....lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots.....lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .16 - —
Vinyl butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Methylether, cyls., works.....lb. .30 - —
tanks, works.....lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works... lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units.. 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units.1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more.. 1,000,000 units. .16 - —
200,000 to 400,000 A units per gram, bots., cns., dms., lots of less than 500 million units..1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more ..... 1,000,000 units. .17 - —
lots of less than 500 million units .....1,000,000 units. .21 - —

Prices above are based on the USP XIII method of conversion. E x 1894.

Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more.. 1,000,000 units. .17 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of less than 500 million units .1,000,000 units .21 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion. Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm....1,000,000 units. .18 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin)
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12} vials, 25 100 and 500 milligram lots..milligram. .59½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat-germ).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.75 - 1.80
Tree bark, bls.....lb. .75 - .90
Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago..lb. 1.95 - —
25-49 lbs., same basis lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.71.50 -72.50
merchantable, bgs., ex dock ton.67.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08 - .08½
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra lb. .0770- .0780
S. Africa, 62% tannin, ex dock, duty extra..lb. .0770- .0780
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot..... lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .69 - .71
slabs, bgs. .....lb. .68 - .70
crude, African, bgs.....lb. .53 - .55
Brazilian, bgs.....lb. .56 - .58
Central American, bgs....lb. .54 - .56
refined, yellow, bricks cs..lb. .61 - .62
slabs, bgs. .....lb. .60 - .62
Candelilla, crude, bgs.....lb. .60 - .62
refined, bgs.....lb. .64 - .66

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs. ton lots.lb. No stocks.
North Country, No. 2, ton lots. lb. .84 Nom.
No. 3, crude, bgs., ton lots. lb. .84 - .86
refined, bgs., ton lots. lb. .88 - .90
yellow, No. 1, bgs., ton lots. lb. 1.03 - 1.05
No. 2 ..... lb. 1.01 - 1.03

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs..... lb. .65 - —
Microcrystalline, 170°-175° m.p., ASTM, amber cns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 —
black, cns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs. same basis lb. 13½ —
white, cns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. 26 —
180°-185° m.p., ASTM, black, cns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs same basis lb. 15½- —
amber, cns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs same basis lb 17 - —
white cns. 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs same basis lb. 28 —
190°-195° m.p., ASTM, amber, basis lb. 20½- —
Less than 20,000 lbs., same basis lb 21½- —
black cns., 20,000 lbs., same basis lb. 19 - —
Less than 20,000 lbs same basis lb. 20 —
white, cns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs same basis lb 34½
Montan, dom black, raw ... lb. .25 .25½
refined lb. 31 .32
Imported, Bohemian, bgs .. lb. .15½- .16
German, bgs. ..... lb. .16 - .17
Ouricury, refined, bgs., ton lots lb. .82 - .84
Paraffin (see P.)
Spermaceti, blocks, cs ..... lb. .28 - .31
cakes, cs. ..... lb. .29 - .32
Sugar cane, crude, imp., bgs lb. No stocks.
refined, dom., slabs, works lb. .69 - .74
imp., bgs., N. Y. ..... lb. .48 - .50
White lead (see Lead, white).
White pine bark, rossed, bls ... lb. .18 - .20
White precipitate USP powd dms 50 lbs lb 2.00 —
Whiting, limestone dry-grd, 99.5%, 325 mesh bgs. c.l. works ton 6.00 -10.00
smaller lots works ton 6.50 15.00
wet-grd., bgs., c.l. works ton 16.00 -30.00
smaller lots works ton 21.00 -35.00
Paris white, bgs. c.l ton 24.00 -31.00
l.c.l whse ton 25.00 -40.00
Precipitated, bgs. c.l ton 18.00 -20.00
l.c.l ton 25.00 -35.00
Wild cherry bark, thick, natural, bls lb .06 .07
thin, natural, bls ..... lb .15 .16
rossed, bls ..... lb. .17 - 18
Wild indigo root, bls ..... lb .30 31
Wild yam root, bls ..... lb 16 17
Witch hazel leaves, bls ..... lb. .20 - .22
Woodflour 40 mesh bulk, c.l., works, East ton 32.00 —
c.l., same basis ton 40.00 —
60 mesh bulk c.l. same basis ton 37.00 —
c.l., same basis ..... ton.45.00 - —

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	Penetration at 77 F	21	20
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	Iodine No.	17.9	17.1

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CARNAUBA WAX REPLACEMENT • FATTY ACIDS-DISTILLED
CANDELILLA WAX • REFINED TALL OIL

Woodflour, 80-100 mesh, bulk, c.l., same basis	ton	40.00	-45.00
l.c.l., same basis	ton	50.00	-55.00
Woodflour in bgs. extra, returnable.			
Woolfat (see Lanolin).			
Wormseed, American, bgs.	lb.	.13	- .14
Levant, bgs.	lb.	4.50	5.00
Wormwood leaves, bls	lb	.35	.45

X

Xanthorrhiza root, bls	lb	.28	.30
Xylene (see Xylol).			
Xylenol, cryst., 50°-58°C. m.p., ret. dms., c.l. works frt equald	lb.	.193	- —
l.c.l. same basis	lb.	196	- —
tanks, same basis	lb.	.18	- —
45°-47°C. dms. c.l. frt equald	lb.	.153	- —
l.c.l., same basis	lb.	.156	- —
tanks, same basis	lb	.14	- —
fractions, over 7°C., b.p., except meta, dms. c.l., same basis	gal.	1.06	- —
l.c.l., same basis	gal.	1.09	- —
tanks, same basis	gal.	.95	- —
Meta fraction, over 7°C., dms., c.l., same basis	gal.	1.16	- —
l.c.l., same basis	gal.	1.19	- —
tanks, same basis	gal.	1.05	- —
Xylidins mixed dms	lb	45	.50
Xylol, coaltar, industrial, tanks, works—			
Bethlehem, Pa	gal.	.29	- —
Birmingham district	gal.	.26¼	- —
Chicago district	gal.	.29½	- —
Cleveland district	gal.	.29	- —
Geneva, Utah	gal.	.21	- —
Hamilton, Ohio	gal.	.28	- —
Johnstown, Pa	gal.	.27	- —
Lackawanna, N. Y.	gal.	.29	- —
Lone Star, Tex.	gal.	.27	- —
Lorain, Ohio	gal.	.27	- —
Minequa, Colo	gal.	.29	- —
Philadelphia, Pa.	gal.	.29	- —
Pittsburgh district	gal.	.26	- .29
Sparrows Point, Md.	gal.	.29	- —
St. Louis, Mo	gal.	.30	- —
Syracuse, N. Y.	gal.	.26½	- —
Terre Haute, Ind.	gal.	.31	- —
Wyandotte, Mich.	gal.	.29	- —
Youngstown, Ohio	gal.	.26½	- —
Petroleum, indust., 40°, tanks, works:—			
Albany, N. Y.	gal.	.30	- —
Bayonne, N. J.	gal.	.30	- —
Baytown, Tex.	gal.	.28	- —
Chicago, Ill.	gal.	.30	- —
Detroit, Mich.	gal.	.30	- —
Philadelphia, Pa.	gal.	.30	- —
Providence, R. I.	gal.	.30	- —
Wood River, Ill.	gal.	.30	- —

Y

Yara yara, cns	lb.	2.25	- 2.30
Yeast, brewer's dry, USP, 50 B units per gram 100-lb. dms	lb	.44	.46
80 B units per gram, 100 lb. dms	lb.	.49	.51
200 B units per gram, 100 lb. dms	lb	.53	.55
300 B units per gram, 100 lb. dms	lb	.57	.59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb	2.80	- —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below			
Benzidin, bbls., dlvd	lb.	1.91	- —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies	lb.	2.65	- 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies	lb.	1.12	- —
Cadmium yellows, Los Angeles and San Francisco ex whse 1c per lb higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss. including Davenport, Minneapolis, Rock Island	lb.	.30	- .31
Dlvd Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn. Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Hansa, bbls., same basis as chrome	lb.	1.91	- 2.15
Primrose bbls., same basis	lb	1.90	2.10
Iron oxide, natural, bgs., c.l., works	lb	0141	0250
l.c.l., works	lb.	0166	0275
French type, bgs. c.l.	lb.	.04½	—
l.c.l.	lb	04¾	—
Peruvian type bgs. c.l.	lb.	0185	.0210
synth., bgs., c.l., works	lb.	09½	—
l.c.l. works	lb.	09¾	—
Mercury oxide, bbls., 1,000 lbs	lb.	1.93	- —
smaller lots	lb	1.95	—
Ocher American golden, bgs., works	lb	01¼	.02¾
Zinc, bbls. same basis as chrome.	lb.	.23	- .29
Yellow dock root, bls	lb	16	.25
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls	lb	28	.30
Yohimbine hydrochloride, vls	oz.	4.75	- 5.25

Z

Zein, bgs., 36,000 lbs., works	lb	.30	- —
1,000 lbs to 36,000 lbs. works	lb	32	- —
smaller lots works	lb	35	- —
Zinc acetate tech. bbls. dms	lb	26¼	- —
NF, dms.	lb.	.41	- —
Borate, bgs., c.l., dlvd. E	lb.	.18½	- —
l.c.l., dlvd. E	lb.	.19½	- —
Carbonate, purified, powd., dms.	lb.	26	- —
tech., rubbermakers', bgs., works.	lb.	.10¾	- .11½
precipitated, powd., dms.	lb.	.26	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	7.70	- —
l.c.l., works	100 lbs.	8.10	- —
gran., bbls., c.l., works	100 lbs.	8.45	- —
l.c.l., works	100 lbs.	8.35	- —
solution, 50% dms., c.l. works	100 lbs	4.25	- —
l.c.l., works	100 lbs.	4.85	- —
tanks, works	100 lbs.	3.60	- —
NF, gran., dms	lb	.42	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.457	- .477
Zinc dust, c.l., works	lb.	.21	- —
l.c.l., works	lb.	.22	- —
Fluoride, bbls., works	lb.	40	- —
hydrosulphite, dms., c.l., frt. alld.	lb.	.19¾	- —
l.c.l.	lb.	.20¼	- —
Iodide, NF, jars	lb.	4.85	- —
Laurate, bbls	lb.	.45	- .46
Metal, slabs, E. St. Louis	lb.	.17½	- —
Naphthenate, liquid, 8% Zn, frt. alld	lb.	.23	- —
10% Zn, dms., frt. alld	lb.	.27¾	- —
Oleate, fused, bbls	lb.	.36	- —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd	lb.	.16	- —
l.c.l., dlvd	lb.	.17	- —
American process, com'l, lead-free, bgs., c.l., dlvd	lb.	.16	- —
l.c.l., dlvd	lb.	.17	- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.16	- —
l.c.l., dlvd	lb.	.17	- —
35%, bgs., c.l., dlvd.	lb.	.16¼	- —
l.c.l., dlvd	lb.	.17¼	- —
50%, bgs., c.l., dlvd.	lb.	.16⅜	- —
l.c.l., dlvd	lb.	.17⅜	- —
French process, com'l, lead-free, bgs., c.l., dlvd	lb.	.16	- —
l.c.l., dlvd	lb.	.17	- —
green seal, bgs., c.l., dlvd	lb.	.17¾	- —
l.c.l., dlvd	lb.	.18¾	- —
red seal, bgs., c.l., dlvd.	lb.	.17¼	- —
l.c.l., dlvd	lb.	.18¼	- —
white seal, bgs., c.l., dlvd	lb.	.18¼	- —
l.c.l., dlvd	lb.	.19¼	- —
Zinc oxide, USP, ctns., c.l., dlvd	lb.	.19¼	- —
l.c.l., dlvd	lb.	.20¼	- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.			
Phenolsulphate, dms	lb.	.36	- —
Resinate, precip., dms., frt. alld	lb.	.23½	- —
Silicofluoride, bbls., works	lb.	.10	- .10½
Stearate, tech., USP, ctns., c.l	lb.	.39	- —
ton lots	lb.	.40	- —
less ton lots	lb.	.41	- —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	6.85	- —
l.c.l., same basis	100 lbs.	7.25	- —
flake, 25½%, Zn, bgs., c.l., works, dlvd	100 lbs.	6.05	- —
l.c.l., works	100 lbs.	6.45	- —
powdered, 36% Zn, bgs., c.l., dlvd., same basis	100 lbs.	9.25	- 9.40
l.c.l., same basis	100 lbs.	10.00	-10.15
Zinc sulphate in bbls 40c higher			
USP, gran., dms	lb.	.23	.23½
Sulphide, pure, bgs., c.l. dlvd.	lb.	.24	- —
l.c.l., dlvd	lb.	.25	- —
Thionosulphonate, NF, gran., bbls., dms	lb.	.33	.34
powd., bbls	lb.	.36	.37
Undecylenate, dms	lb.	1.90	2.00
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	7.35	- —
l.c.l., works	100 lbs.	7.75	-10.25
Zinc-cadmium sulphide, fluorescent, cns., frt alld	lb	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
l.c.l., same basis	lb	.1220	.14
Zinc-formaldehyde sulphoxalate, basic, dms., c.l.	lb.	.23½	- —
l.c.l.	lb.	.24	- —
normal, dms., l.c.l., works	lb.	.50	- —
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol ZrO_2, bbls., works	lb.	.21¼	- —
Carbonate, basic, cake, bbls., works	lb.	.30½	- —
Hydride, cns., works	lb.	7.00	- 8.00
Nitrate, dms., works	lb.	1.75	- —
Oxide, 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	- —
lump, electric-fused, bgs., c.l., works	lb.	.44	- —
5 tons, works	lb.	.44½	- —
1 ton or less, works	lb.	.45	- .48
milled, electri-fused, bgs., c.l., works	lb.	.59	- —
5 tons, works	lb.	.59½	- —
1 ton or less, works	lb.	.60	- .63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½	- —
Silicate, granular, bgs., c.l., works.	lb.	.03¼	- .03¾
10 tons, works	lb.	.03½	- .04
5 tons, works	lb.	.04	- —
1 ton or less, works	lb.	.04¼	- .04¾
milled, bgs. c.l., works	lb.	.04¾	- —
5 tons, works	lb.	.05¼	- —
1 ton or less, works	lb.	.05¾	- .06¼
refined, bgs., c.l., works	lb.	.11	- —
5 tons, works	lb.	.11½	- —
1 ton or less, works	lb.	.12	- .16
Sulphate, cryst., ctns., c.l., works.	lb.	.37½	- —
5 tons, works	lb.	.38	- —
1 ton or less, works	lb.	.38½	- .39

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DO Safeguards Needed

Extension of DO ratings to chemicals used in the production or processing of foods and petroleum products under defense contracts is going to complicate further a condition which is already fraught with troubles. That extension says that the ratings may be used only to secure the minimum quantities of the necessary chemicals. In common with the general delegation of authority, it does not set up any effective pattern for the determination of such quantities. Suppliers of DO-rated chemicals are already puzzling over whether such ratings give any consideration to inventories held by those applying for them. Some are considering calling upon presenters of such ratings to declare under oath that they are not able to take care of any part of the requirements out of materials in stock. Purchasers are complaining because quantities procured under DO ratings are being charged against earlier commitments for customary requirements.

DO ratings present a two-way problem. For one thing, they raise the need for, at least, minimizing undue interference with the supplying of the requirements of civilian production. On the other hand, they present an opportunity for unjustifiable over-buying and resale profiteering. A better pattern than was provided under World War II restrictions is needed for the effective answering of the two questions.

The setting up of such a pattern is in no way a simple or easy undertaking. It entails an endless number of variables and unknowns, as well as the inevitable practice of getting while the getting is good and the long-range speculation upon a profitable future in war-surplus goods.

Contracts for defense supplies must have some measure of flexibility. But, they can easily have too much for the good of the national economy. It is impossible, if any opportunity exists, to prevent practices such as have frequently been reported with reference to the supplying of drugs under ECA programs. The contracts for, say, tablets of a sulfa drug, so the stories go, allow a margin of 10 percent; that is, the contractor may deliver and will get paid for 10 percent more than the contractual number. He includes that 10 percent in the quantity of the drug ordered from a producer. The specifications contain a tolerance of, maybe, 5 percent in the drug content of a tablet. The contractor adds that also to the quantity ordered. The producer has established a concession in the price of the drug supplied under ECA programs. The tablet contractor gets, at the lower price, 15 percent more of the drug than is needed to take care of the exact rquirements of his contract. He delivers no more than those requirements. He has a cost advantage in the disposal of the 15 percent of the drug which the flexible pattern made available. There is no way in which he can be compelled to give due consideration to that "bonus" supply in figuring the needs of his next ECA contract.

Aside from, perhaps, the matter of a lower cost, there is a broad analogy between such an ECA deal and almost any transaction in chemicals involving a DO rating. There are new variations. Producer A gets a defense order; he takes his DO rating to Producer B, a competitor, and demands the material involved. So far Producer B has been sending such orders to NPA. A manufacturing consumer of a specific material regularly purchases it from Producer C. He gets a defense contract—and goes to Producer D with the DO rating in order that his customary supply will not be affected thereby. The "smart guy" is going strong.

The condition is aggravated by the inadequacy of supplies of many important chemicals to necessary civilian requirements. It is clear, then, that a safeguarding pattern should be constructed and applied. There is no definite information that an advisory committee has the authority to provide such a safeguard. There is a big question whether, in the considering of such action, the opinion of the advisers on the defense commodity or that of those on the materials of its production would prevail—and why. For the best interests of the national economy, today and tomorrow, the National Production Authority should see that practicable, effective, safeguarding patterns are set up for all OD procedure.

Plan of Economic Remedying

The idea of a working partnership of business and government can be substantially furthered by the "American Assembly," the establishment of which has been announced and outlined by the president of Columbia University. The assembly plan, of course, is much broader than any such partnership, but it reaches no farther toward the desired and purposed solutions of problems in the political, social, and commercial areas of the national economy, in other words, in the general structure of the American way of life. It must always be recognized in any such program that business is basic in all those areas, because it must finance all their activities. That fundamental fact is all too commonly lost sight of in broad programs of reformation or other improvements. It never gets proper consideration from business, which, in its proper sense, comprises employer and employee in all areas of production and distribution and of public service, professional, mechanical, or whatsoever.

The purpose of the Columbian project is primarily the diagnosis and remedying of the problems of living in the United States. It will undertake the development of useful knowledge of the nature of those problems, their causes, and their effects. That, naturally, will mean a better understanding of such problems, which, in turn, will demand a much better mutual understanding than now exists among all who have a part in the existence of the problems or are in any way interested in their solution.

Pursuit of that purpose calls for the cooperation of representatves of every walk of American life. That will demand a far greater flexibility of policies and practices in all areas than now prevails. It will demand that all groups speak the same language with the same meaning. Lack of that harmony is one of the greatest contributors to the misunderstandings from which such a large part of the nation's problems in every economic area arises. It has well been said that he who knows what he is talking about can so tell it that it is understood by everybody. Double-talk, gobbledegook, semantic mystification—all are of those words which were given to man for the concealing of his thoughts. The success of any attempt at the remedying of the headaches of living demands that thinking, as well as speaking, be fully in the open.

Business has as much to learn as has any other group from open discussion of the ills of the national life, be they political, social, or commercial—they all exist. It also can contribute as much as any other to the general fund of useful information on those ills. In both directions, it will be necessary that the ills be reduced to a common denominator; that they be studied objectively from each of the several pertinent points of view; that there be as much give as take in their analysis and defining.

It is imperative, therefore, that, in its participation in the American Assembly—it must participate to the full—the representation of business be proper in every respect. Much of the trouble of business in its relations with the national life is attributable to its lack of such representation in many contacts. But, even the political differences of its management and labor divisions can be composed to the distinct advantage of both if adequate endeavor is applied to the acquisition of a full and varied measure of mutual understanding, confidence, and respect.

Washington Talks

—*Continued from page 1*

and he knows that no top men are going to take a job where they would only play third fiddle.

Farm Income Parity a Puzzle

A new definition of parity for farm income became effective on January 1, 1950, but some difficulty is being encountered in the Bureau of Agricultural Economics in measuring it truly and effectively. This definition says that parity as applied to farm income shall be that gross income from agriculture which will give the farm operator and his family a standard of living equivalent to that afforded persons dependent upon other gainful occupations—that is, nonfarm work.

Such a definition involves more than making a simple comparison between farm and nonfarm income in dollars. Many additional data are required in order to determine the real difference between the purchasing power of farmers and nonfarmers. Nevertheless, the bureau has found the present income estimates on a per capita basis to yield some significant comparisons.

In 1949, for instance, the average net income per person on farms from all sources was $765. That was just a trifle more than 50 percent of the corresponding average of $1,520 for the nonfarm population. Taking the comparison by income per worker rather than total population, the farm income figure for the same year was $1,587, and the nonfarm worker $2,900 in wages received.

From this it is virtually certain that the farmer's income was lower in its purchasing power than that of the urban workers—but it is as yet impossible to tell just how much below parity the farm worker's purchasing power really is in order to make an accurate comparison. The experts agree so far, only in saying that farmers' incomes have declined more rapidly in the past two years than nonfarm income.

Nitrogen War Needs Cut

It doesn't appear likely that the defense program will call upon private industry to supply much, if any, of the nitrogen that will be needed to fill the expanding requirements of military explosives, and consequently, the belief now is that the farmers can count on about as much nitrogen for fertilizer use next year as was available for this year's crops. The government's two big nitrogen producers at TVA and Morgantown, W. Va., can supply the military needs.

There is an interesting angle to the way the nitrogen needs are figured now by the military, which grows out of the experience gained in the last war. It is this:—Smokeless powder is of lesser importance in modern warfare than it was in World War I and was thought to be in the earlier period of World War II. It's because the airplane now does a large part of the job of getting an explosive to its destination that was done in the past with guns.

It takes more smokeless powder to propel the projectile from the big guns of the military than is contained in the warhead. With airplanes now carrying the explosive to the destination the propellent charge is saved for other uses. It's because of this way of figuring nitrogen needs that the army sold off most of its nitrogen plants built during the last war.

OIT Separated from NPA

The old Office of International Trade in the Commerce department, which was swept into the general pot with most of the other agencies in the department to make up the National Production Authority, has been cut loose and returned more or less to its independent status. Secretary Sawyer did this in a revision of his NPA organization memorandum recently.

The effect of the action will be to remove the exporters' "spokesman" in the department one step away from the policy-making when it comes to dividing up supplies of materials among the various industries and claimants. The legal heads in the department found that OIT couldn't be part of NPA because OIT functions under an entirely different law—the export control act.

There is quite a bit of grumbling in the department over the manner in which NPA was established. The "little people in the department don't like the way they were unceremoniously lifted out of their jobs and placed in a temporary organization without any advance notice whatsoever. The setting up of temporary agencies always raises a lot of questions about retirement, civil service status, pay scales, and so on, relative to the workers. They are entitled to know just where they stand before being yanked out of one job and placed in another.

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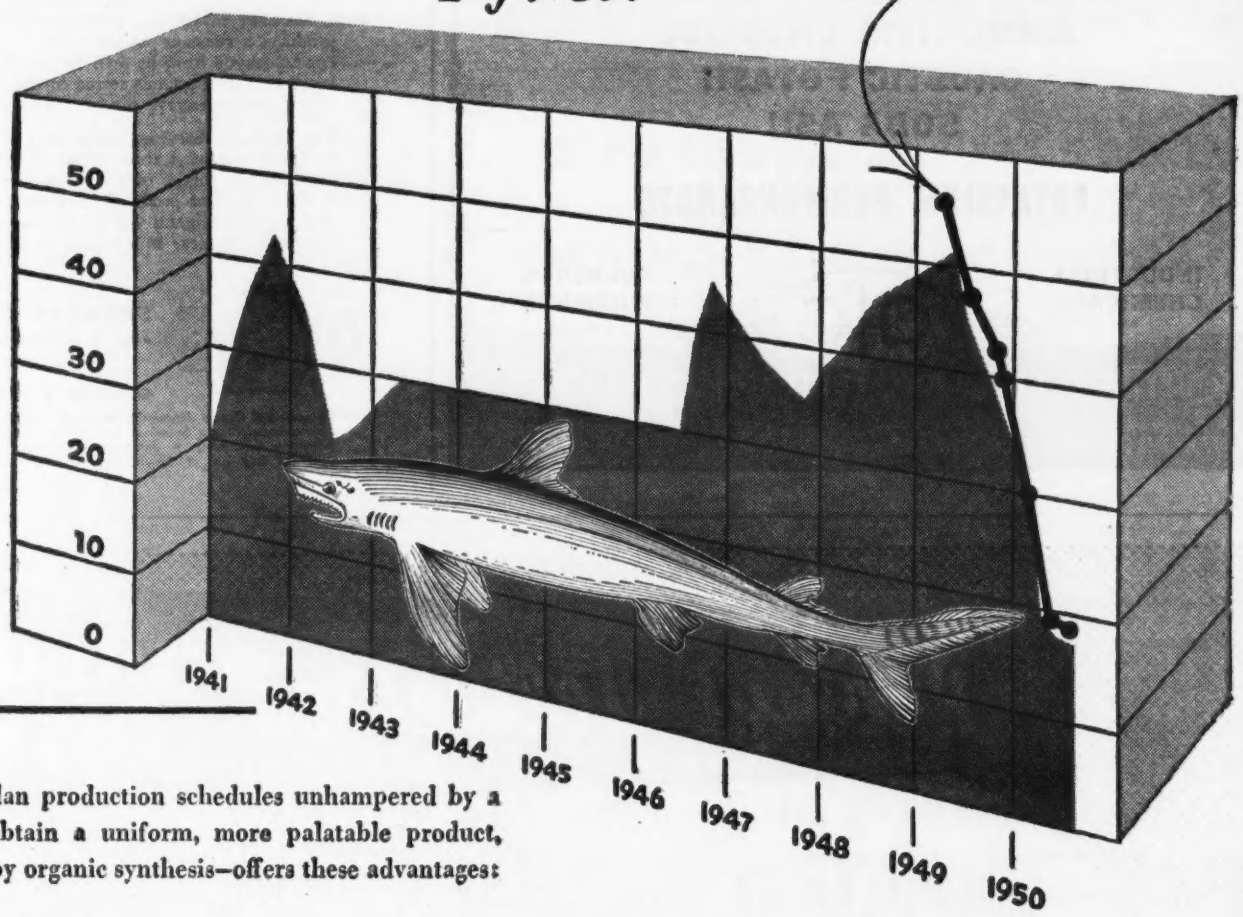

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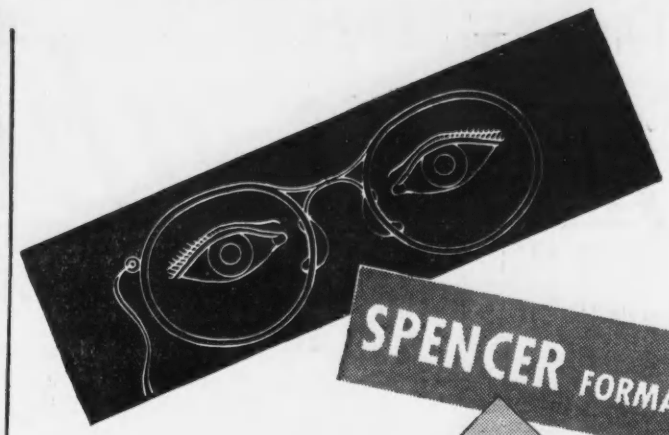

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Heavy Chemicals

Sodium stannate and all the other tin salts established new high price records last week in response to the wild upward movement of the metal. The prolonged upward swing of the metal market which stems from the start of the Korean war has created fear that government controls may be reimposed. There is a shortage of tin based chemicals owing to the difficulty in securing chlorine which is essential for the production of tin chloride, the base for most other tin salts aside from oxide and sodium stannate. Withdrawal of silver offerings by the Bank of Mexico was the signal for an increased buying movement in silver which lifted the price substantially above its former level. The current shortage of zinc has forced several prominent steel companies to severely cut galvanizing operations.

Industrial demand for heavy chemicals has continued active with many requirements only partially satisfied. Soda ash flowed more freely from producing plants but did not show on the surface of the market as the large vecuum created by the recent alkali strike has yet to be leveled off. Chlorine remained definitely tight. Caustic soda was also tight with the shortage of flakes being acute. There was no easement in available stocks of copper sulphate, nickel sulphate, muriatic acid or sulphuric acid. The freer entrance of DO orders has tapped supplies and created more or less confusion in the distribution of various chemicals.

August output of the "heavy volume" inorganic chemicals was generally about the same as for July, 1950, whereas, gains over the preceding month's volume were reported for other industrially important inorganic chemicals, according to the Bureau of the Census. In comparison with August, 1949, figures, 24 chemicals were produced in larger volume while production declines were reported for 8 including sodium carbonates and sodium bicarbonate.

All-time record production highs were reported in August for hydrogen, chrome yellow and orange, and molybdate chrome orange. In addition, sizable gains over last month's production were reported for calcium phosphates, sodium sulphates, chrome green and oxygen. Seasonal declines, however, were reported for ammonium nitrate, ammonium sulphate and calcium arsenate.

Paper production based on a percentage of six-day capacity was 107.3 percent for the week ending October 21, according to the American Paper and Pulp Association. This compared with 107.5 in the preceding week and 101.1 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census Department of Commerce.

Acrylonitrile—Supply short with demand from the rubber and other consuming industries active. The current scarcity was occasioned by a power shortage at the supply source. This is gradually being remedied and it looks as though some easement in supplies will develop in the near future. Prices are firm but unchanged.

Ammonia, Anhydrous—Market position continued tight but not too serious at present. While some producers have been forced to refuse additional orders, others have managed to keep stocks abreast with requirements. The present consumer disposition is to increase commitments. August production of synthetic was 124,817 tons, compared with 125,027 in July and 113,894 tons in August last year.

Ammoniac Sal—One of the two plants that produce white granular is making progress toward a normal output. Production at this plant is now increasing after a temporary breakdown.

Ammonium Bicarbonate—Supply conditions are improving with considerable progress made in the restoration of production at the producing plant. Shipments were rolling in good quantities last week.

Arsenic—Market situation satisfactory with supply of white powdered meeting requirements without difficulty. Market firm at the late advance.

Brazilian production of arsenic for the first quarter of 1950 reached a total of 232 tons, valued at Cr.$1,276,909. In 1949, the total production of arsenic was 958 tons, valued at Cr.$4,644,910.

Market Trends

Prices Advanced

Silver, 7¼c. per oz.
Sodium stannate, 2.10c. per lb.
Tin chloride, 3.4c. per lb.
crystals, 2¾c. per lb.
metal, 4c. per lb.
oxide, 4c. per lb.
sulphate, 3c. per lb.
tetrachloride, 2½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
234.2	234.2	233.8	216.4	218.1

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
123.7	123.7	122.3	121.8	121.8

(For Current Prices see Page 9)

Calcium Carbide—Small lots are easier to secure in this market than sizable quantities at the present time. A lot of DO orders are reaching the market and the supply situation is tight. There has been no change in prices. August production of commercial amounted to 55,237 tons, compared with 52,388 tons in the preceding month and 42,009 in August last year.

Calcium Phosphate—August production recorded a gain. Output of monobasic showed 3,336 tons, compared with 2,673 in July. August dibasic output totaled 2,459 tons, against 2,225 in the preceding month. Last year's figures were not available.

Carbon Dioxide—Production of liquid and gas during August was 13,773 tons, compared with 13,647 in July and 14,852 tons in August last year. Solid, dry ice, output recorded a slight decline to 53,091 tons in August, compared with 55,918 in July and 53,221 in August last year.

Chlorine—Production has not increased substantially since the settlement of the alkali strike as it takes time to restore cells to a condition to operate normally. Demand has kept far enough ahead of output to hold supplies definitely tight. December has usually witnessed a relaxation in demand but under present conditions, producers do not look for any real easement this year. In August 174,047 tons of chlorine gas were made, against a revised total of 175,788 in the preceding month and 147,825 tons in August, 1949.

Copper Sulphate—Market supply situation remained exceedingly tight. Contract requirements are being satisfied but new business is not being considered for shipment until after January 1 and no firm prices are being named at present. The industrial demand has shown no signs of easement and export sales are restricted by the shortage of stocks.

Nickel Sulphate—No improvement in the supply situation last week. Demand has exceeded production and shipments to regular consumers are being allocated in order to equalize distribution. The infusion of DO orders has tended to aggravate supply conditions.

Potash, Caustic—Stocks have not increased to any important extent since the settlement of the alkali strike and the supply situation has remained definitely tight. It has taken longer than generally expected to bring production of one plant up to normal after a prolonged period of idleness.

Potassium Carbonate—Remained in tight supply with demand active particularly from the glass specialty plants. No easement in stocks is expected until one of the important caustic potash plants swings into normal production.

Soda Ash—Shipments from plants are steadily increasing but it will probably take until the end of the year to level off the backlog created by the alkali strike. Progress has been aggravated by a shortage of boxcars. The outlook is encouraging and unless there are some unforeseen developments, the supply picture may change materially shortly after the turn of the year. August production by the ammonia soda process was 81,233 tons of light ash, compared with 81,914 in July and 156,920 tons in August last year. Output of dense ash in August was 70,814 tons, against 74,332 in the preceding month and 111,397 tons in August last year. Production of natural in August amounted to 32,212 tons, compared with 35,932 in July and 16,645 tons in August, 1949.

Soda, Caustic—Market conditions are similar to those in soda ash although the recent alkali strike did not hit production as hard as it did ash. The supply remains

For Late Market Developments, See Page 4

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tight with prospects favorable to gradual improvement. The supply of flaked caustic was definitely short for any nearby shipment. Production of electrolytic in August amounted to 167,464 tons of liquid including 27,965 tons of solid, compared with a revised total of 169,319 tons of liquid including 29,055 tons of solid in July and 133,375 tons of liquid including 20,120 tons of solid in August, 1949. In order to prevent disclosing individual operations, the Census Bureau combined the production by the lime-soda process for July and August, the total was 49,028 tons. Output in August last year was 42,560 tons of liquid including 11,182 tons of solid.

Sodium Bicarbonate—Remained in tight supply with gradual improvement expected. Producers have a large backlog that is being leveled off slowly, the process being aggravated by the shortage of boxcars. Production of refined in August amounted to 6,947 tons, compared with 6,272 tons in July and 14,334 tons in August, 1949.

Sodium Phosphate—August production of monobasic amounted to 1,202 tons, compared with 1,107 in the preceding month and 964 tons in August last year. Dibasic output in August was 10,200 tons, against 12,898 in July and 10,578 tons in August 1949. Production of tribasic in August was 5,688 tons, compared with 6,271 in July and 6,352 tons in August last year.

Sodium Silicate—Production of soluble silicate glass liquid and solid totaled 32,278 tons during August, compared with 29,929 in July and 28,284 tons in August 1949.

Sodium Sulphate—Output of anhydrous refined in August was 16,060 tons, against 13,572 in the preceding month and 9,477 tons in August last year.

Tin Salts—Continued advances in the metal have forced prices into new high territory and created conservative purchases all around. At the close of the week, the breakdown showed sodium stannate at 64.4c. to 70c. per pound freight allowed East. Tin chloride stannous anhydrous 96.84c. to 97.84c. per pound, crystals hydrous 79⅜c., oxide $1.19, sulphate stannous $1.071 to $1.098 and tetrachloride anhydrous 68½c. to 69½c. per pound, all f.o.b. the works.

Acids

Hydrofluoric—Supply meeting requirements without difficulty. August production of anhydrous and technical amounted to 3,140 tons, compared with 3,287 in July and 2,142 tons in August 1949.

Muriatic—Demand running ahead of production, buying conditions definitely tight. Production in August amounted to 51,512 tons including 15,078 tons made from salt and acid, 10,090 from chlorine and hydrogen and 28,344 tons as by-product and from other sources. July production totaled 51,288 tons and in August 1949 output registered 40,599 tons.

Nitric—Stocks not excessive but meeting consuming requirements without unusual difficulty. Output in August was 105,206 tons, compared with 105,831 in the preceding month and 93,308 tons in August last year.

Oxalic—Demand has continued in excess of current production and there has been no easement in supply conditions. Shipments are running from a month to two months behind schedule while the miscellaneous inquiry remains active.

Sulphuric—Heavy demand still exists with faint signs of leveling off in a month or two. Gross production in August totaled 1,045,662 tons including 227,165 tons made by the chamber process and 818,497 by the contact process. The July gross was 1,047,544 tons and in August last year 916,133 tons were made. The amount of fortified spent acid in August was 66,126 tons, compared with 76,188 in July and 52,296 tons in August 1949.

Nonferrous Metals

Aluminum—Recent increases in shipments of aluminum sheet and plate reflect the industry's response to stepped up military requirements, the Aluminum Association asserted in reporting a 25 percent gain during August over the previous month. Sheet and plate shipments by association member companies in August totaled 113,531,771 pounds as compared with 90,937,020 in July, while the production of primary aluminum continued at the high level of previous months. A total of 126,011,903 pounds of the primary metal reported for August is only about one million pounds less than the six-year high of 127,035,422 pounds reached in July. The decline in August was due to a strike in one of the primary plants. Commenting on a statement from Washington that the administrator of the National Production Authority plans mandatory allocation of critical materials within two or three months, it was pointed out that the pro-

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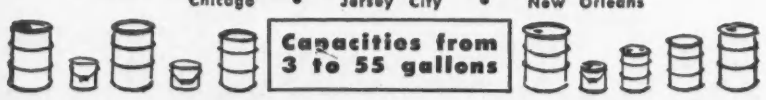

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ducers of primary aluminum have been operating on voluntary allocations for nearly three months. This was necessitated by unprecedented civilian demand of the past year, plus increasing military orders.

Copper—Held an exceedingly strong position with demand heavy and future shipments selling above spot. October sales are estimated at 110,000 tons while nearly half that amount has been booked for November and December now commanding increased attention. Electrolytic was unchanged at 24½c. per pound delivered Middlewest or Valley basis.

Lead—Maintenance of demand above the supply level has held the market in a firm position with future shipments selling above the spot price. The common grade was priced at 16c. per pound New York and 15.80c. St. Louis basis.

Quicksilver—Prices unchanged last week with demand active. Market position firm with the tendency more upward than downward. Prominent sellers not inclined to offer in excess of five-flask lots. Spot quoted at $95 to $96 per flask.

San Francisco.—The quicksilver market is holding here at $93-$95 per flask with the trade anticipating an additional price increase. Supplies continue very scarce.

Silver—Sharp advance in price was recorded last week. Increased buying interest said to be inspired by the withdrawal of the Bank of Mexico from offering silver to the United States. Trading was active with sales reaching as high as 1,000,000 ounces last Tuesday. The prevailing price for bullion at the close of the week was 80c. per ounce.

Tin—Continued to advance to new high levels with a rapidity that is disturbing to both buyers and sellers. The wild fluctuations have prompted fear that government controls may be reimposed. Unlike some of the other metals, the spot price is higher than future shipments. The prevailing price for grade A on spot at the close was $1.21 per pound.

Zinc—With stocks at the lowest level in 25 years and demand heavy, the market position remained decidedly strong. Futures are commanding a premium over spot which is indicative of the underlying strength of the market. Prime western was priced at 17½c. per pound, East St. Louis basis.

Argus Chemical Buys Plant

The Argus Chemical Laboratory, Inc., has purchased a two-story plant on Court street, between Sigourney and Halleck streets, Brooklyn, N. Y., from Eleanor K. Doran.

Phillip Brothers Concludes Yugoslav Metals Agreement

Phillip Brothers, Inc., New York, has concluded an agreement with the Yugoslav government providing for continued representation of that country's metals in the American market. The transaction, which is, in fact, a one-year renewal of a previous agreement, calls for the sale of an estimated $15,000,000 to $20,000,000 worth of Yugoslavian lead, copper, antimony and chrome concentrates in this country by Phillip Brothers. It was pointed out that the agreement specifically states that sales are to be made at going market prices, which stipulation is viewed by the trade as a sacrifice inasmuch as the metals can be sold elsewhere at premiums.

General American to Open New Terminal on April 1

General American Transportation Corporation will open a fifth public tank storage terminal for storage of chemical and petroleum products in Chicago, Ill., its headquarters city, on April 1, 1951. The new terminal will provide various size tankage with loading and unloading facilities. Space in the terminal as well as use of all equipment will be furnished on a lease basis.

Located at 67th and Archer on the Sanitary and Ship Canal, the new terminal will be serviced by all railroads stopping in Chicago. Among the facilities offered are special equipment to guard against contamination of different types of liquids and to protect against excessive evaporation. Details may be obtained by writing General American Terminals, a division of General American Transportation, Chicago 90, Ill.

Trade Briefs

Standard Oil Company of Kentucky, Louisville, has formed a "Twenty-Five Year Club" composed of 175 Kentucky employees and Kentucky commission agents having twenty-five years or more service with the company.

E. Andrew Aries, R. S. Aries & Associates, New York, is at present in South America conducting a three-month survey of the market for the purpose of establishing processing and chemical industries there.

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Brazil to Produce Sulphur From Pyrite-Bearing Coal

Brazil, which has no natural sulphur deposits, is considering plans to produce an estimated 50,000 tons of sulphur annually from pyrites found in coal, according to the Brazilian Government Trade Bureau. The estimate of 50,000 tons as a yearly potential was based on the content of pyrite in Brazilian coal, of which approximately 2,000,000 tons are mined annually.

The pyrites found among coal deposits in southern Brazil contain 40 to 45 percent sulphur, according to the mineral production laboratories of Brazil's Ministry of Agriculture. The contemplated production of 50,000 tons of pyrite sulphur is believed sufficient to fill Brazil's domestic requirements. At present, all sulphur used in that country is imported.

Baumstark Moves Today

Harry A. Baumstark & Co. is moving to a new location today at 6801 Arsenal street, St. Louis 9, Mo. The concern, which distributes chemicals in the St. Louis area, will have both office and warehouse facilities at the new address.

Mines Bureau Has Report On Utah Fluorite Project

A wartime project conducted by the Bureau of Mines on the J. B. fluorite deposit on the eastern slope of the Indian Peak Range in the Washington mining district of southeastern Washington County, Utah, is described in a report released by the bureau.

The report sketches briefly the history and property ownership of the deposit, describes the physical features of the area, and tells of the work done by the bureau. Tables give the results of assays of trench and underground samples. Several maps and plans are included, together with a photograph showing fluorite mineralization at the face of one of the drifts and a view of the shaft and surface buildings.

A free copy of Report of Investigations 4726, "Investigation of the J. B. Fluorite Deposit, Beaver County, Utah, can be obtained from the Bureau of Mines, Publications Distribution Section, 4800 Forbes street, Pittsburgh 13, Pa.

Franklin Institute Awards Medals to Eleven Scientists

Eleven scientists and engineers were honored October 18 by the Franklin Institute, Philadelphia, for outstanding contributions in their fields of endeavor.

Among them were Dr. Kenneth C. D. Hickman, chemical consultant, who won a John Price Wetherill Medal for "making possible production of vitamins A and E from hitherto unsuitable materials," and Dr. Charles S. Barrett, research professor in the institute for study of metals of the University of Chicago, who was awarded the Francis J. Clamer Medal for achievement in the field of metallurgy.

Galvanizers Slate Meeting In Birmingham Nov. 16-17

The Fall meeting of the galvanizers committee, sponsored by the American Zinc Institute, will be held November 16 to 17 at the Tutwiler hotel, Birmingham, Ala. Highlight of the meeting will be an inspection trip through the plant of the Tennessee Coal, Iron & Railroad Company on the sixteenth. The plant trip and meeting sessions will be open only to committee members and their representatives.

Monsanto Expands Nitro Staff

Three recent additions to Monsanto Chemical Company's research staff at Nitro, W. Va., include Dr. James O. Harris, Dr. Thomas E. Lesslie and Maurice E. Gatens.

Dr. Harris, who has been with Monsanto since 1943, was originally employed as a chemist by the company's phosphate division. Dr. Lesslie obtained his doctorate from the Massachusett. Institute of Technology in 1949 and Mr. Gatens received a B.S. degree in chemistry from Morris Harvey College. He was first employed by the company as a production employee in 1938.

Water Clarification Data Offered

Cochrane Corporation, Philadelphia, Pa., has published a bulletin (no. 5001) describing the "Cochrane Liquon Sludge Contact Reactor." The reactor is a water conditioning apparatus which employs the principle that previously formed precipitates added in the form of sludge or slurry will accelerate reactions. The bulletin details the principle as applied to the sludge-contact reactor, describes the operations of the unit, illustrates and describes the types of equipment available, gives a list of applications with a separate page on waste recovery and describes the auxiliary equipment.

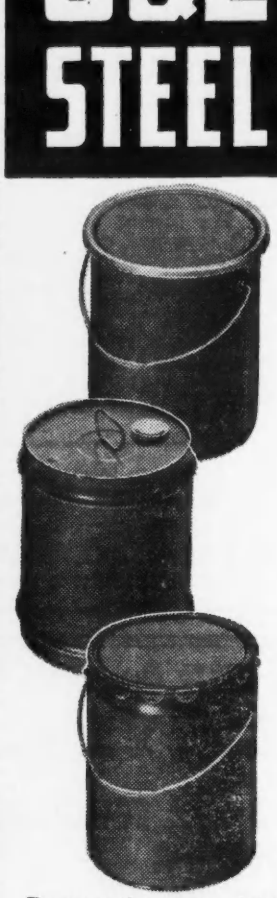
Bemis Bag Issues Calendar

Bemis Bro. Bag Company, St. Louis, has taken thought of the condition to which calendars distributed at New Year's have come by Thanksgiving. So it has issued a large, high-visibility, new one, with three months to the leaf, covering from October, 1950, to November, 1951.

Metal Cans Shipments: August

Total shipments of metal cans during August, 1950, showed an increase of 21 percent above July, according to the Bureau of Census. These figures are based on metal can shipments expressed in terms of the weights of steel consumed in the manufacture of the cans shipped. In the month of August, metal can shipments on this basis amounted to 550,925 short tons, as compared with the 395,681 short tons shipped during July.

J&L STEEL



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Textile and Leather Chemicals

Consumers of textile and leather chemicals continued to absorb sizable quantities against former orders. New business was moderate but not as keen as earlier in the month. Prices ruled steady at prevailing levels, except sumac leaf, which was advanced sharply for shipment due to sold up new crop.

Scarcity of soda ash still affected the output of bichromates and sodium hydrosulphite. Producers of these materials limited deliveries to regular customers.

Paper and textile mills continued to take large quantities of sizing materials against former contracts. Trading in potato starch was spotty, chiefly for prompt delivery. Large consumers recently covered requirements for the balance of the year. Corn starch and dextrin were firm and in active request against current orders. Tapioca flour was steady on spot and for shipment. Sago flour for shipment was strong and light stocks here were firmly held. Demand for egg albumen and yolk was restricted to immediate needs. Higher duty on Chinese yolk which becomes effective December 11, has not as yet advanced stocks on the spot.

Consuming inquiry for tanning materials continued spotty, with tanners restricting purchases to prompt shipment. Offers of sumac groung leaf for shipment were scarce and boosted sharply while other materials were unchanged and steady. Wattle bark and extract were the firmest on the list. Offers for shipment were light for prompt and forward positions.

Cattle hide leather production in August was indicated at 2,298,000 hides, compared with 1,698,000 hides in July by Tanners Council. Calf and whole kip skins, amounted to 1,052,000 against 584,000; goat and kid skins, 3,260,000 against 2,670,000 and sheep and lamb skins, 3,373,000 against 1,989,000.

The Army was in the market for 30,000,000 pounds of raw wool for reserve requirements of armed services. Purchases will be made by the Commodity Credit Corp. through commercial channels. This is the initial step for the purchase of 100,000,000 pounds of raw wool, woolen garments, fabrics and knitting yarn.

Market Trends

Prices Advanced

Sumac leaf, ground, $6 per short ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
247.9	247.9	249.3	286.0	304.2

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride — Steady movement into consuming channels was the feature of this market. Prices were maintained at unchanged levels.

Bichromates—Active demand for bichromates was still unsatisfied owing to the light available supplies of soda ash. Producers continued to restrict sales to regular customers and endeavored to reduce a large backlog of orders. Market was strong at prevailing prices of all grades. Sodium bichromate and chromate production during August totaled 5,649 short tons, compared with 5,492 tons in July and 5,575 tons, August last year.

Sodium Acetate—Business continued in good volume, with consumption equal to production. Quotations were unchanged and firm.

Sodium Hydrosulphite—Production was still affected by the scarcity of soda ash. Producers are making deliveries against a backlog of orders and limited sales to regular customers.

Sulphonated Oils—Prices remained firm for all grades, reflecting the strength of basic oils. Trading was moderate, chiefly for actual requirements.

Zinc Hydrosulphite—Demand was fairly active. Market was strong with the firmness of basic materials. Quotations were without change.

Sizing Materials

Blood Albumin — Consuming demand continued active for prompt delivery. Market was steady. Albumin and dried soluble were maintained at prevailing levels.

Corn Dextrin—Steady consuming demand continued to take the output. Production was sold up and deliveries were several weeks behind schedule. Prices of all grades were unchanged and firm.

Corn Starch—Business was reported at a good rate for prompt delivery. Consumption of late has kept pace with production. Market remained firm at prevailing prices for pearl and powdered. Visible corn supply declined 759,000 bushels to 36,463,000 bushels for the week ended October 21, compared with 16,487,000 bushels for the same time last year, according to the Chicago Board of Trade. Carryover stocks of old crop corn on October 1 was reported by the Department of Agriculture at 859,280,000 bushels, the largest on record. This compared with 825,306,000 bushels a year ago. Stocks, however, were less than had been anticipated earlier this year. The department at that time had forecast a carryover of about 1,000,000,000 bushels.

Egg Albumen—Buying interest was restricted to actual requirements. Market remained steady at current quotations. Edible flake was held at $1.28 to $1.30 per pound, according to quantity, and powdered at $1.32 to $1.34 per pound. Light grades of technical have become scarce, while dark was in adequate supply. Prices were unchanged at 77c. to 79c. per pound, depending upon quality and quantity.

Egg Yolk—This market was steady, despite consuming demand was limited to immediate requirements. Domestic yolk was maintained at $1.14 to $1.16 per pound, depending upon quantity. The increase of the duty of 10c. per pound, on Chinese yolk effective December 11 had little effect as yet on the spot situation. Prices were unchanged at 87c. to 90c. per pound, spot, duty paid. Demand was slow.

Potato Starch—Although the volume of new business slackened, active movement of starch was noted against current orders. Market was steady and unchanged. Carlots were maintained at 5c. per pound, f.o.b. mills in Maine and Idaho. Less carlots ranged from 7½c. to 7¾c. per pound, exwarehouse, New York. The government has requested potato growers voluntarily to reduce production more than 90,000,000 bushels for 1951, to 335,000,000 bushels, against the 1950 production of 426,000,000 bushels. There will be no federal price support during 1951, the first time since 1943. The Agriculture Department suggested that only 1,560,300 acres be planted next year. Based on average yields, this would produce a crop of about 335,000,000 bushels adequate for domestic and military needs. Growers in Maine, New York and New Jersey were asked to cut acreage 27 percent; California, 23 percent; North Dakota, 24 percent; Idaho, 14 percent and Utah, 19 percent.

Sago Flour—Firmness at primary centers continued to feature this market. Replacements were firm for shipment which kept the spot market strong. Trading was limited to actual needs. Stocks on spot ranged from 7½c to 8c. per pound, according to quantity.

Tapioca Flour—Trading was moderate for prompt delivery. Market was unchanged and steady, reflecting the firmness of replacements. High grades was held at 7½c. to 7¾c. per pound, exwarehouse as to quantity; mediums, 7c. to 7¼c. and low, 6¼c. to 6¾c. Reports from Taiwan (Formosa) stated that export restrictions on tapioca flour have been lifted, according to Department of Commerce.

Tanning Materials

Cutch—Trading was moderate and occasional orders were booked for prompt shipment. Offers for shipment were maintained at 6¾c. per pound, exdock.

Mangrove Bark — Conditions in this market were unchanged and steady, despite light consuming demand. Prices were held at former levels.

Quebracho Extract—This market was firm. Shipments were well held at prevailing quotations. Buying interest was fair, with moderate quantities booked for prompt shipment.

Sumac—Ground leaf for shipment was advanced to $84, per short ton, exdock. Stocks at primary points were reported light and firmly held.

Valonia—Consuming inquiry was slow. Cups for shipment were firm at recent advance. No business was reported at the higher level as yet.

Wattle—Firm conditions prevailed in this market. Offers for shipment of bark and extract were scanty and closely held. Buying interest was fairly active. Prices were unchanged and strong.

For Late Market Developments, See Page 4

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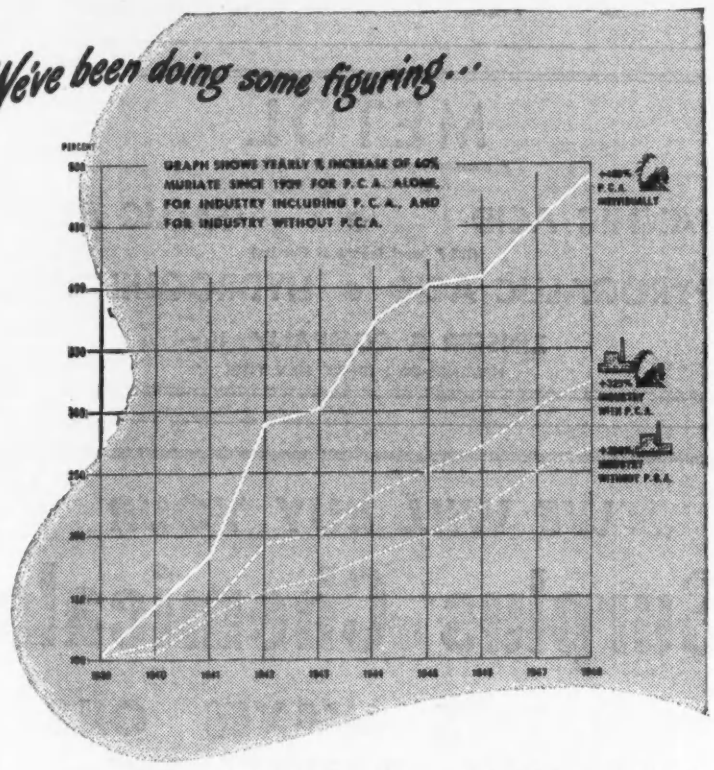
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Agricultural Chemicals

Index advanced to 83.5 last week from 82.2 in the preceding period. The basic agricultural chemicals hold a definitely strong position with advances recorded in potassium muriate, sulphate and potassium magnesium sulphate as a result of constantly rising costs of labor and materials. The recent advance in sulphuric acid has greatly strengthened the background for superphosphate and synthetic ammonium sulphate. Withdrawal of several large producers of the latter from the market has placed the price situation nominal and an advance is indicated when these suppliers are in a position to offer. Coke-oven sulphate was tight but not as scarce as synthetic. Ammonium nitrate remained heavily sold on contract. Sodium nitrate continued firm and in balance with requirements. Cyanamide was scarce with some improvement in shipments expected with the restoration of power at the Canadian supply source.

Moderate increase in buying interest caused fractional advances in dried blood and tankage. Bone meal remained quiet and steady and so did hoof meal. Low prices named for sardine and tuna meal on the Pacific Coast occasioned cautious buying of menhaden meal in the East. Absence of offerings of castor pomace restricted additional sales.

Nitrogenates

Ammonium Nitrate — Contract consumers continued to take practically all current output leaving the supply position definitely tight. Production of original solution in August amounted to 90,824 tons including 72,564 of fertilizer grade and 18,260 tons of all other grades. July output totaled 94,001 tons and in August last year 83,253 tons were produced.

Ammonium Sulphate — No synthetic available for export last week with most of the large producers temporarily out of the market. Some producers will not offer this side of January. Coke-oven material is also tight but not as tight as synthetic. Production of synthetic technical in August amounted to 66,612 tons, compared with 71,428 in the preceding month and 81,530 tons in August, 1949.

Bone Meal — No unusual activity last week. Market remained about steady at $62.50 per ton for raw and $60 for steamed carlots, f.o.b. the works.

Castor Pomace — Trading restricted by the scarcity of offerings. Last sales at $37.50, bags, carlots, works.

Dried Blood—Sufficient buying interest from the feed trade to fractionally advance prices. New York named $8.25 per unit of ammonia and Chicago, $8.50.

Argentina's exports of dried blood in July, 1950 dropped to 318 metric tons from 1,279 tons in June. Those in July went almost entirely to the United Kingdom.

Fish Meal—Relatively quiet and apparently feeling the effect of lower prices for sardine and tuna meal on the Pacific Coast. Menhaden priced at $130 per ton in the Baltimore area.

Imports of fish meal for feed and fertilizer for July totaled 4,784 tons, compared with 1,900 tons for the corresponding month in 1949. During the first seven months of 1950, importations amounted to 42,129 tons, against 32,778 for the same period in 1949; an increase of 29 percent.

Sodium Nitrate—Market holding a satisfactory degree of balance with seasonal requirements being leveled off without difficulty. Prices firm but unchanged.

Tankage—Slightly higher under a moderate expansion of demand for stock-feed use. New York named $8.25 per unit of ammonia and Chicago $8.75.

Exports of tankage from the Argentine in July decreased to 2,873 tons from 5,930 tons in June; the United States was the principal importer in July taking 1,441 tons.

Phosphates

Phosphate Rock—No new export developments last week. Domestic shipments against contract running steady with market firm and a tendency to advance under maintenance of high producing costs.

Superphosphate — Production is heavily enough sold on contract to keep the supply position tight. Several acidulators are experiencing difficulty in securing sulphuric acid. Prices unchanged but definitely firm.

United States production of superphosphate totaled 694,027 short tons for normal grade (18 percent A.P.A.), 62,435 tons for concentrated (45 percent A.P.A.) and 4,822 tons for wet-base goods (18 percent A.P.A.) during August 1950, according to the Bureau of the Census. All of these figures represent increases from the previous month's totals, whereas, in comparison with August 1949, production of concentrated superphosphate increased 20 percent, wet-base goods remained about the same, and the quantities of normal superphosphate declined 8 percent. August shipments of all three grades of superphosphate were larger than the amounts shipped in July 1950 or in August 1949. During the month, stocks on hand declined 3 percent to 1,073,188 tons for normal grade and 65,466 tons, off 13 percent, for concentrated, but increased 13 percent for wet-base goods, to 7,427 tons.

Market Trends

Prices Advanced

Dried blood, 25c. per unit of ammonia.
Potassium magnesium sulphate, 80c. per ton.
Muriate, 2c. per unit of K_2O.
Sulphate, $1.75 per ton.
Tankage, 25c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
83.5	82.2	82.2	81.6	81.6

(*For Current Prices see Page* 9)

Potashes

Contract prices for the agricultural grade of muriate 62 to 63 percent K_2O and granular 50 to 52 percent have been advanced 2c. per unit to 42c., bulk, Carlsbad, New Mexico. This adjustment will not apply to contracts made in accordance with the price list of May 5, 1950, prior to October 20. The increase was occasioned by constantly mounting costs of labor and materials. For these same reasons the price at Trona, California, was advanced 2c. per unit to 50½c. Potassium sulphate is higher at $36.25 per ton, and potassium magnesium sulphate has been lifted to $16 per ton, both works.

Los Angeles Fertilizer Market

Los Angeles.—The local market is starting to feel the results of the recent authorization to increase the cotton acreage in the state. As yet, there is no appreciable change in the supply picture but all evidence points towards a tighter market as the demand increases. With the exception of a further weakening in blood meal and fish meal, prices are unchanged from last week. Movements of all materials have been good with increases noted in phosphates and calcium nitrate.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, domestic, f.o.b. Los Angeles. $71.53 per ton, f.o.b. Los Angeles, Canadian material.

Ammonia phosphate, $65.50 per ton for 16 20 grade, f.o.b. Los Angeles. $90.10 per ton for 11/48 grade, f.o.b. Los Angeles, Canadian material. Ammonia Sulphate, $49 per ton in bags, f.o.b. Los Angeles. Canadian material same bagged. $2.50 less for bulk. Blood meal, $6.25 per unit of ammonia at source. Bone meal, $70 per ton for domestic, steamed, 1 30 meal, f.o.b. Los Angeles. Calcium nitrate, $44.25 per ton, 15½ percent nitrate, c.i.f., Los Angeles Harbor. Fish meal, $104, $110.50 per ton for 65 percent sardine, f.o.b. Los Angeles. $93-$99 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk. Potash muriate, 50½c. per unit in bulk, f.o.b. Trona. Potash sulphate, 95 to 98 percent K_2SO_4, 86c. per unit, f.o.b. Trona. Superphosphate, $23.20 per ton for bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $68.50-$72 per ton bulk, 47 per cent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, $5.25-$5.50 per unit of ammonia, fertilizer grades, f.o.b. producing plant.

Pesticides

BHC — Production continues heavily sold ahead and the supply situation remains tight. A similar condition exists in DDT with output of both insecticides seriously affected by the shortage of basic materials.

Calcium Arsenate — Production of commercial in August amounted to 4,460 tons, compared with 5,137 in July and 1,485 tons in August last year.

2,4,5-T — Encouraging evidence that aerial sprays of a new chemical (2,4,5-T) can be used in North Texas to kill mesquite, is reported by plant scientists of the U. S. Department of Agriculture and the Texas Experiment Station. As a preliminary step toward solving the gigantic problem of brush control on several million acres in the Southwest, the finding is of keen interest. It offers, for the first time, a mass method for fighting mesquite in the less arid sections of the range country at comparatively low cost.

For Late Market Developments, See Page 4

It is believed also to hold clues to control methods for the pest in other environmental conditions where it thrives and for other species of brush that are not affected by either 2,4,5-T or the better known weed killer, 2,4-D. The experiments with mesquite at Spur, Texas, show that it can be killed by aerial sprays of 2,4,5-T applied late in May when the brush is in vigorous growth. The treatment is similar to that in which 2,4-D is now used to control sagebrush on the grasslands of the Southern Great Plains. The carlot price of technical 2,4,5-T isopropyl ester is $1.60 per pound for drums in carlots and $1.65 for smaller quantities f.o.b. the works. Market situation in balance at present but supplies leaning toward the tight side owing to the difficulty in securing chlorine and phenol.

Sulphur

Demand continued at an unusually high level with the supply tight and prices firm at the late advance. The call for sulphuric acid is exceedingly strong with producers unable to level off current requirements.

Mexican Eagle Oil Co. Schedules Stockholder Meeting November 10

The Mexican Eagle Oil Company, Ltd., has called an extraordinary general meeting for November 10 in Mexico City, Mexico. The purpose of the meeting is to reduce the capital of the company by repaying to the shareholders paid-up capital to the extent of 4 pesos per share.

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Lindane Insecticide Seen As Screwworm Remedy

A new treatment for the control of screwworm, the most destructive livestock insect pest in southern states, was announced by the Department of Agriculture October 17. This new treatment, to be known as EQ 335 screwworm remedy, will replace the Department's EQ 62, known to stockmen for the past decade as the most effective of all remedies for screwworm control.

The new remedy contains lindane. The formula requires by weight three parts of lindane, thirty-five parts of pine oil, forty-two of white mineral oil, ten of an emulsifier, and ten of a silica gel. It is applied to wounds with a small paint brush. The treatment kills maggots deep in the wounds, young maggots as they hatch from eggs, and flies attracted to the wound to feed or lay more eggs. The killing of flies attracted to wounds is an attribute new to Department screwworm remedies. This will help reduce the number of animals attacked by the flies.

Spencer Opens Sales Office in Atlanta, Ga.

Spencer Chemical Company, Kansas City, Mo., has announced the opening of its new southeastern district sales office in Atlanta, Ga., through which it will serve a territory consisting of Georgia, Alabama, Florida, South Carolina, and the eastern part of Tennessee with agricultural nitrogen products.

In charge of the office, located at 412 Candler Building, is John L. Sanders, district sales manager, who has been a member of the Spencer sales organization since 1946. For the past three and one-half years he has represented the company in Iowa and was located previously in Louisiana. The new Atlanta office also serves as headquarters for Floyd N. Miller, district technical service representative.

Monsanto Names Cooper

Monsanto Chemical Company has appointed Willis M. Cooper assistant director of the concern's general engineering department in St. Louis, Mo. Mr. Cooper was previously assistant to the managing director of Monsanto Chemicals, Ltd., London, England. The appointment will become effective December 1.

DIMETHYL PHTHALATE

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Coaltar Chemicals

Under orders for toluol, benzol, and xylol with DO ratings, according to information given OPD on the present regulatory status, material manufactured by coaltar-source producers comes under the jurisdiction of the National Production Authority, and orders so rated will have to be accepted and filled. However, benzol, toluol and xylol produced from petroleum sources are not under NPA jurisdiction but come under the petroleum administration of the Department of the Interior. Hence, orders bearing DO ratings sent to producers of petroleum-source aromatics will not have to be accepted and filled by them, unless they voluntarily choose to do so. This situation could conceivably work appreciable hardship on the coaltar chemical industry with respect to the supply of materials available to established accounts.

Price stability in the face of widespread shortages was the characteristic feature of this market last week. Both basic products and intermediates had been in a supply position of scarcity for several weeks, and the feeling was expressed that several of them would get worse, before they get better. The settlement of the alkali and chlorine strikes some weeks ago, had not as yet had any significant easing effects on the supply position of the various chlorinated intermediates and upon the naphthol derivatives.

Cresylic acid and cresols were quite short, but prices held to levels established in the third quarter. Imported cresylic remained generally short, although occasional lots were available. Phenol was critical and available quantities of benzol for its manufacture were being pinched by the allotment of greater quantities for the manufacture of styrene for the synthetic rubber program.

The various chlorinated benzenes were in heavy demand against acute shortages, especially monochlorobenzene because of its wide usage as an intermediate in the manufacture of many chemicals.

There was no indication of an early settlement of the strike which since July 1 has crippled the output of a large tar distilling plant, and stopped its production of such critical materials as cresylics, phenolics, and other products basic to the coaltar chemical industry. The tar which would have been processed by the struck plant could not be stored, and was being burned as fuel or channelled into non-chemical end uses, with the result that the lost chemical production during the strike was a loss to the economy of the country at a time when it was sorely needed.

According to the American Iron and Steel Institute, the steel industry for the fifth consecutive week, exceeded all previous production records with operations at the rate of 102.6 percent of theoretical capacity. This was equivalent to the production of 1,978,900 tons of ingots and castings for the week ended October 28, compared with an output of 1,967,300 tons the previous week, and 166,000 tons during the corresponding week of last year.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
123.2	123.2	123.2	110.1	110.1

(*For Current Prices see Page 9*)

Basic Products

Benzol—Supplies were critically scarce, a market position unchanged from that which has characterized the market over recent months. Producers reported heavy pressure on all available production, but seemed to feel that it was little worse than that of a month ago. Prices were firm and unchanged from levels established some weeks ago, so far as domestic output was concerned, but in the resale market and in import markets prices were very high, each sale being negotiated at its own highest bargaining level.

The Tariff Commission reported output of other than motor grade benzol as totaling in August 14,850,103 gallons, compared with 13,797,709 gallons in July. Of the August total, 2,342,704 gallons was produced by tar distillers and from petroleum, while 12,507,399 gallons was produced by cokeoven operators.

Creosote—Refined material was quoted at 27 cents per gallon in tankcars while the regular material used for wood preserving was quoted at 20 cents per gallon in tankcars. Supplies were reported as adequate against a well sustained demand. Stocks were not considered heavy, and the supply and demand relationship was felt in most quarters to be in reasonably good balance.

According to Tariff Commission reports, tar distillers produced 8,963,648 gallons in August, against 8,125,812 gallons in July, while cokeoven operators turned out 2,546,017 gallons in August, compared with 2,803,553 gallons in July.

Cresol—Critically tight supply positions on cresols were being held so by the continued strike since July 1 of workers in one of the major tar distilling plants. To date there was no indication of any early settlement of the strike, and the market was certain to remain in its condition of drastic scarcity for the balance of the year. Demand was very heavy, far in excess of available supplies, and producers were operating against a large backlog of orders.

Meta-para output in August was reported by the Tariff Commission as amounting to 695,467 pounds, compared with the July production figure of 753,148 pounds. August production of ortho-meta-para was reported as 760,007 pounds.

Cresylic Acid—Imported acid continued to move in the range of $1.15 to $1.20 per gallon. Domestic acids held firmly to previous price schedules. Supplies were quite critical on low boil acids, and short on high boil materials. Demand was running in excess of supply creating a backlog of orders. Domestic output was less than normal since July 1 because of the long continued strike in the plant of a major tar distiller, and this loss of production represented a loss to the industry as a whole, because it could never be made up. The tar from which it would have been made was being burned or directed into other than chemical channels.

Production of domestic refined acid in August amounted to 2,410,822 pounds, as compared with the July output of 1,870,362 pounds.

Naphthalene—Production of domestic sources, supplemented by continued substantial import volume, kept the overall supply position in reasonably good balance with demand. A heavy demand has characterized the market over recent months, and there was no indication of any significant let-up in industrial consumption for the balance of the year.

Production in August, as reported by the Tariff Commission, amounted to a total of 29,823,460 pounds of all grades. Of this total, 8,137,633 pounds were of the refined grade melting at 79°C or over, and the balance was crude material. In July the total output was 24,558,101 pounds, of which 4,331,423 pounds was refined naphthalene and the balance various crudes. Tar distillers increased their production of crudes from the 12,748,427 pounds made in July to 14,008,730 pounds in August, while coke oven operators produced 7,677,097 pounds in August which was only a slight increase over the 7,508,251 pounds turned out in July.

Phenol—Synthetic production combined with natural production totaled 28,312,153 pounds in August, as compared with 26,193,294 pounds in July, according to Tariff Commission figures. Demand was still running considerably in excess of supply, and production was hampered by the critical benzol shortage, as well as the chlorine shortage. In addition benzol requirements for styrene production directed toward the synthetic rubber program were impinging upon the amount of benzol

Coke By-Products

Total estimate of by-product coke-oven operations in the week ended October 28 indicate the following output of by-products from that source:—

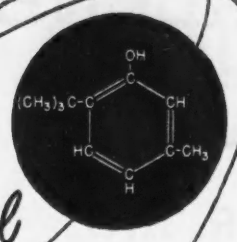
Ammonia liquid, NH_3	lbs.	964,805
Ammonia sulphate	lbs.	33,305,630
Benzol	gals.	3,251,263
Coaltar	gals.	14,802,502
Creosote oil	gals.	594,743
Naphthalene, crude	lbs.	2,022,127
Pyridin, refined	lbs.	23,789
Toluol	gals.	614,568
Xylol	gals.	158,598

For Late Market Developments, See Page 4

KOPPERS

MBMC

Mono-tert-butyl-meta-cresol



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This chemical closely resembles thymol in structure, with the isopropyl group of thymol replaced by the tert-butyl group of MBMC. It will undergo most of the reactions of the lower alkylated phenols. As an intermediate, Koppers MBMC is useful in the production of rubber antioxidants and the perfume fixative musk ambrette. It should also be considered as a raw material for rubber processing chemicals, lubricating oil additives, and synthetic resins.

Write for this bulletin and samples

Bulletin C-9-130 and experimental samples of Koppers MBMC may be obtained by writing to Koppers Company, Inc., Chemical Division, Dept. OP-10-30, Pittsburgh 19, Pa.

KOPPERS COMPANY, INC. · Chemical Division, Pittsburgh 19, Pa.

KOPPERS

available for phenol manufacture. Prices remained unchanged.

Meanwhile natural phenol output was still sharply curtailed by the strike in the plant of a large tar distiller, which has crippled this source since July 1, with no apparent possibility of a settlement in the immediate future.

Pyridin—Under a firm price position of 90 cents per pound in less than carlot drum quantities, this item moved promptly from production into consuming channels. However, output was considerably less than the overall demand, and many orders went begging. Most producers were committed on contract for their entire output, with none left over for other than established accounts. Production figures for August were not available.

Toluol—According to the present regulatory set-up on benzol, toluol, and xylol with respect to defense orders, OPD was advised that these aromatics as made by the coaltar industry were under regulation by the National Production Authority and defense order ratings and would have to be recognized and filled by coaltar source producers. However, benzol, toluol, and xylol made from petroleum sources come under the petroleum administration of the Department of the Interior and are not under the jurisdiction of NPA, with the result that orders with DO ratings for these solvents will not have to be accepted and filled by petroleum source producers, unless they voluntarily choose to fill them. This situation could conceivably work appreciable hardship on the coaltar industry with respect to the supply of materials for their established accounts.

Xylol—What was reported above under toluol with respect to orders having DO ratings, applies also to xylol. Demand was strong against an acute shortage of supplies. Prices were unchanged.

Dyes

Supplies on many dyestuffs were short because of raw material shortages. Dyestuffs based on naphthol and its derivatives were for several months handicapped by the alkali strike, and as yet sufficient time since the settlement of the strike had not elapsed to allow for any significant easing of the dyestuff supply situation, but the end of the year was expected to see an improvement in the supply position.

Swiss exports of coaltar dyes to the U.S.S.R. in the first six months of 1950 dropped sharply in value to 70,000 Swiss francs, compared with the value of shipments in the first half of 1949, which amounted to 1,425,000 francs.

The Tariff Commission reported the output of direct blue black EW, C.I. 202, at 961,221 pounds in August, as compared with 398,650 pounds in July. The August production of Naphthol AS was reported as 73,882 pounds.

Intermediates

Acetanilide—Technical material was in stronger demand as a chemical intermediate. Output in August was lower than July, the production figures being 360,754 and 472,948 pounds, respectively. Prices held firmly to schedules prevailing over recent weeks, carlots being quoted at 24½c. per pound and less than carlots at 25½c., on technical material.

Anilin—There was no relief in sight for the critical anilin shortage, and the feeling was expressed in most quarters that the market was likely to get worse before it gets better. This was due in large part to the benzol shortage and to the still critical supply position of chlorine. However, the latter was expected to improve somewhat by the year end. There was such a backlog of chlorine demand at the time the three months alkali strike was settled, that it will be a long time before ample chlorine supplies are again available.

Maleic Anhydride—This intermediate was in fair demand, but in nowhere near the demand position that most producers felt postwar levels would reach. It did find its way into an increasing number of chemical outlets, and it does have a great potential end-use that would run into heavy volume should there be a real sustained shortage of phthalic anhydride because of the partial phthalic replacement which can be effected with maleic. But the supply position of phthalic anhydride since the war has been in a relatively good position so that no such widespread partial replacement was found necessary. With the current benzol shortage as critical as it is, maleic producers do not feel too badly about their postwar business volume estimates of maleic being off, because it is now hard enough to get sufficient benzol to make the current maleic requirements.

Meta-aminophenol—The demand for this item was strong, and manufacturers

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of para-aminosalicylic acid were unable to get sufficient quantities of meta-aminophenol to keep up with their needs.

Monochlorobenzene — The still critical chlorine shortage, together with the benzol scarcity, resulted in this item being in a position of acute shortage. Producers of the many chemical intermediates and products using monochlorobenzene as an intermediate step were hard pressed to get sufficient material to meet their minimum requirements. Prices were unchanged.

Production in August was reported by the Tariff Commission as 30,122,029 pounds, compared with the July output of 28,587,419 pounds.

2-Naphthylamine-4, 8-disulphonic Acid —The price position of this item was described as firm at $1.75 per pound on a freight allowed basis in the East.

Para-aminophenol—A firm price position of 88½ cents per pound prevailed in this market, with supplies short, reflecting the scarcity of raw materials in the face of relatively substantial demand.

Paranitroanilin — The supply of this item was tight as a result of insufficient raw materials. Prices maintained the firm market position established several weeks ago in which carlots on a freight allowed basis were quoted at 45½ cents per pound and less than carlot drum quantities at 48½ cents per pound.

Paranitro-orthoaminophenol — The current price position of this intermediate was 99 cents per pound in barrels on a freight allowed basis in the East.

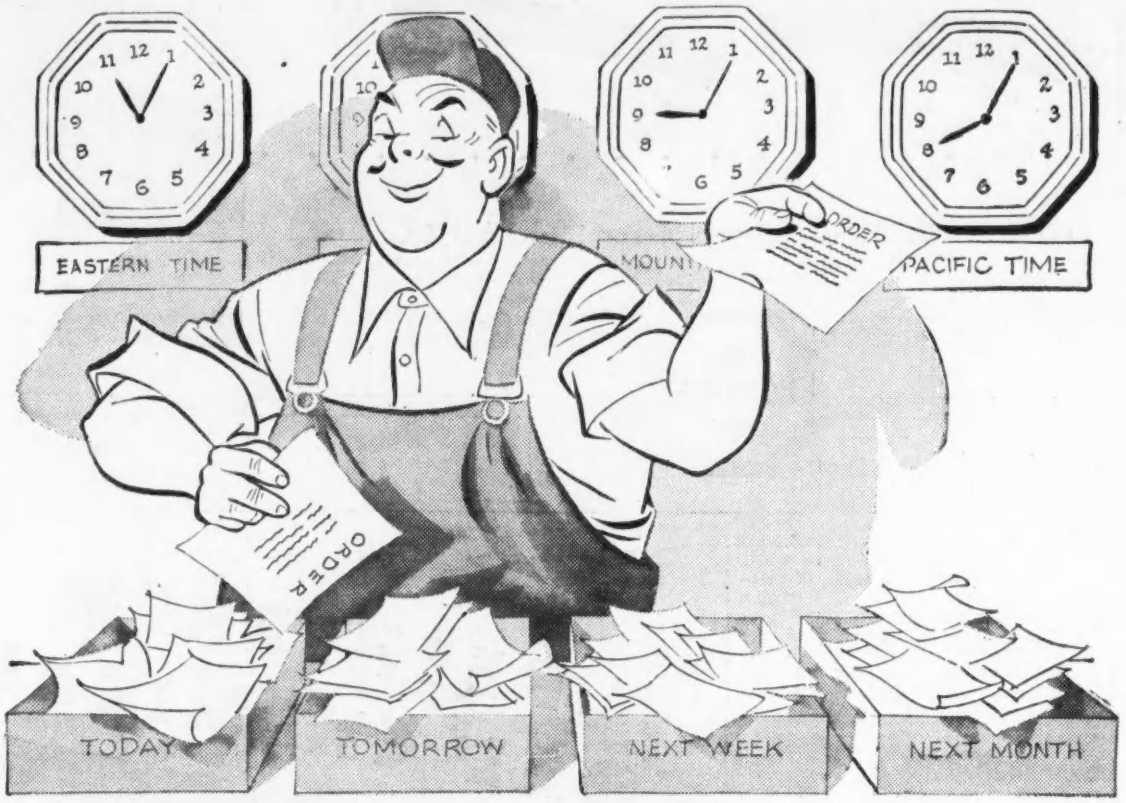
Phenyl J Acid—Barrel quantities were priced on a freight allowed basis in the East at $3.33 per pound. Supplies were on the short side, but because of the smaller volume of use, the item was not as tight as straight J acid.

Phthalic Anhydride — Production continued at peak levels under the pressure of continued heavy demand. August production was reported by the Tariff Commission as amounting to 18,367,165 pounds, compared with the July output of 17,615,397 pounds.

Producers as of last week reported demand at about the same level as in the past few weeks. Shipments were moving promptly from production into consuming channels. Prices were unchanged from the 3c. spread between different producers which has characterized the market in recent weeks. Some producers, as previously reported, are upping price schedules by 1½c. per pound effective November 1. Others are not, and the condition of a price spread on bag carlots of 17½c. to 20½c. per pound was felt likely to continue until the year end.

Orthodichlorobenzene — The critical shortage of monochlorobenzene, resulted in a tight market for both ortho and paradichlorobenzenes. All of these shortages, of course stemmed basically from the scarcity of benzol and chlorine. Prices were unchanged.

Styrene—Production of both privately owned and government plants totaled 47,065,109 pounds in August, compared with 49,253,380 pounds in July, according to a Tariff Commission report. Demand was reportedly very heavy against short supplies, and this situation was made worse by the heavy requirements for synthetic rubber, which left less material available for plastics. The heavy styrene production was one of the reasons accounting for the severe benzol shortage. Prices held to levels established at the end of the third quarter.



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OTS October Bibliography Includes Luminescence Data

Signal Corps contributions to research in luminescent materials — fluorescent dyes, phosphorescence, photoconductivity and related fields—are reviewed in the current issue of the *Bibliography of Technical Reports*, now available from the Office of Technical Services of the Department of Commerce.

Researches are detailed in a wide range of phosphors, in radioactive paints, in scintillation counters, in fluorescent dyes, in the production of photo images on ultraviolet and infrared sensitive phosphor panels, and in the use of alpha particle (polonium) activated phosphors for luminous dials. The survey includes a chart showing materials found to be suitable for ultraviolet and infrared phosphors.

In addition to the Signal Corps article, the current *Bibliography* lists and describes 244 reports relating to chemicals, electricity and electronics, food, fuels, instruments, machinery, metals and minerals, packaging, photography, physics, rubber, structural engineering, textiles and transportation equipment, including a section devoted to German patent applications on chemicals, machinery and metal products.

The publication is available at 50 cents per copy from OTS, Washington 25, D. C.

Dearing Joins Koppers

Dr. William C. Dearing, former director of research for the Plaskon Division of Libby-Owens-Ford Glass Company, Toledo, Ohio, has joined the research department of Koppers Company, Pittsburgh, Pa. Dr. Dearing has been named assistant manager of the company's research department laboratory section, and will work with Dr. Gilbert Thiessen, who recently was named manager of that section. He became associated with the Plaskon in 1937, and became director of research for that division before leaving two years ago to accept a similar position with Behr-Manning Corporation, Troy, N. Y.

Spence Issues Regulator Folder

A new four-page folder is available from Spence Engineering Company, Walden, N. Y., which gives information on temperature regulators, pressure regulators, and desuperheaters. A complete explanation of the principles of pilot-operated regulating valves is given in this folder in addition to data and illustrations of twenty-seven Spence pilots.

Uses and Applications of Chemicals

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Potassium-l-xylyl-l-hydroxy-l-octadecane Phosphonate

Adhesives—Wetting agent (US 2254124) in adhesive preparations.

Chemical—Wetting agent (US 2254124) in emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (US 2254124) in various preparations.

Disinfectant—Wetting agent (US 2254-124) in disinfecting and germicidal compositions.

Dry-Cleaning—Claimed (US 2254124) as detergent, dry-cleaning soap.

Wetting agent (US 2254124) in dry-cleaning liquids.

Dye—Wetting agent (US 2254124) for various applications.

Fats, Oils, and Waxes—Wetting agent (US 2254124) in boring, cutting, drilling, and wire-drawing oils, greasing and lubricating compositions, sulphonated oils, wax preparations.

Ink—Wetting agent (US 2254124) in printing and writing inks.

Leather—Wetting agent (US 2254124) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (US 2254-124) in metal-plating processes.

Miscellaneous—Claimed (US 2254124) as mold inhibitor and detergent.

Modifier (US 2254124) of surface tension of liquids in various products and processes.

Wetting agent (US 2254124) in coasters for beer glasses, embalming fluids, polishing compositions, soldering fluxes, wallpaper removers, and waterproofing compositions, also in various processes involving aqueous liquids.

Paint, Varnish, and Lacquer—Wetting agent (US 2254124) in paints, varnishes, and lacquers and in pigment manufacture.

Paper—Wetting agent (US 2254124) in sizing, waterproofing, and waxing compositions.

Pesticide—Wetting agent (US 2254124) in insecticidal and fungicidal compositions and horticultural sprays.

Petroleum—Wetting agent (US 2254124) in cutting oils and oil, pitch, and tar compositions.

Photographic—Wetting agent (US 2254-124) in blueprint and photographic processes.

Rubber—Wetting agent (US 2254124) in cements.

Soap—Detergent (US 2254124) for various purposes.

Wetting agent (US 2254124) in detergent compositions, textile soaps.

Textile—Wetting agent (US 2254124) in bleaching, boiling-off, bowking, carbonizing, degreasing, degumming, dyeing, fulling, mercerizing, and soaking baths; coating, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing compositions; printing pastes.

Tolylethyl Acetate

Adhesives—Plasticizer (US 2378447) in adhesive compositions containing resins or cellulose derivatives.

Ceramic—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used as coatings for protecting and decorating ceramic goods.

Chemical—Plasticizer (US 2378447) for cellulose derivatives.

Cosmetic—Plasticizer (US 2378447) in nail enamels and lacquers containing resins or cellulose derivatives as base material.

Electrical—Plasticizer (US 2378447) in insulating compositions, containing resins or cellulose derivatives, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used in the manufacture of artificial leather and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer (US 2378-447) in coating compositions, containing resins or cellulose derivatives, used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (US 2378447) in coating compositions, containing resins or cellulose derivatives, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer (US 2378447) in paints, varnishes, lacquers, enamels, and dopes containing resins or cellulose derivatives.

Paper—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Plasticizer (US 2378447) in making films from cellulose derivatives.

Plastics — Plasticizer (US 2378447) in making laminated-fiber and molded articles, also plastic materials from or containing resins or cellulose derivatives.

Resin—Plasticizer (US 2378447) for resins.

Rubber—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (US 2378447) in compositions, containing cellulose derivatives or resins, used in the manufacture of coated fabrics.

Wood—Plasticizer (US 2378447) in compositions, containing resins or cellulose derivatives, used as protective and decorative coatings on woodwork.

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries by the Economic Cooperation Administration during the period October 20 to 26 were the following:—

To Denmark—$1,000,000 for cottonseed cake or meal from the United States and Latin America; $630,000 for copper from Canada and $379,000 for copper from Latin America.

To France—$1,680,000 for copper from the United States.

To Greece—$2,000,000 for nitrogenous fertilizers from the United States, Canada and Latin America; $1,400,000 for copper from Japan; $40,000 for chemicals from Latin America; $1,000,000 for petroleum from the Middle East.

To Italy—$570,000 for agricultural pesticides from the United States.

To Korea—$93,000 for tallow and other animal fats and oils from the United States; $110,000 for hides and skins from India; $71,000 for copper from Japan.

To Netherlands—$500,000 for copper, $50,000 for medicinal preparations, $45,000 for nonmetallic minerals, and $32,000 for rubber products from the United States; $2,400,000 for petroleum from the Middle East; $500,000 for copper and $50,000 for nonmetallic minerals from Canada; $300,-000 for nonferrous ores and concentrates from Latin America.

To Norway—$90,000 for petroleum from the United States.

To United Kingdom—$200,000 for industrial chemicals from the United States; $200,000 for the same from Canada; $6,-500,000 for petroleum from the Middle East and Latin America.

ECA Authorizations $1,700,000 in September

The Economic Cooperation Administration issued procurement authorizations totaling $1,700,000 to Marshall plan countries for the purchase of chemicals and related products during the month of September. This raised the total of all such authorizations from the beginning of ECA to $248,900,000.

The new authorizations consisted of $600,000 for medicinal and pharmaceutical preparations, $100,000 for pesticides, and $1,100,000 for "other" chemicals. Cancellation of previous authorizations amounted to $200,000.

During September, the agency also is sued authorizations for $9,800,000 worth of fats and oils, raising the accumulated total for this class of commodities to $337,000,000. The fats and oils authorizations consisted of $6,800,000 for soybean oil, $500,000 for whale oil and fish oils, and $2,500,000 for soybeans.

Other authorizations during the month consisted of $100,000 for potash fertilizers, $7,100,000 for nonferrous metals and products, and $2,500,000 for naval stores.

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Drugs and Fine Chemicals

Price changes in this market were all in drug and fine chemical materials, with the big volume industrial organics holding firm. Oxyquinolin sulphate moved up 50 cents per pound and the iodated hydroxyquinolin derivatives and chlorinated compounds advanced 60 cents per pound, reflecting increased raw material and manufacturing costs. Silver metal advanced sharply by 5 cent per pound early in the week and this was followed by another 2 cent advance. The result was an increase of 5¼ cents per ounce in silver cyanide and 4⅛ cents an ounce in the nitrate. Rutin and menthol in weak markets declined.

Rumors of a methanol price rise were not confirmed, and were probably the result of a tightening supply position resulting from curtailed output. The glycols, glycerin, and alcohol were extremely tight, and producers were on the receiving end of many DO rated orders, in a high percentage of cases from firms who had never ordered material from any given producer before. Back of this, of course, was the hope of the consumer that if he placed his DO rated order with a producer other than his regular supplier, the DO rated order would have to be filled, and he still might get his regular monthly quota from his regular supplier.

Vitamin A was in abundant supply, and the fishliver oil business was somewhat bleak, with prices low. The aspirin market was steady and firm. Glycerophosphates were strong in demand in certain quarters. One producer advanced prices on acetone, butyl alcohol, and butyl acetate due to increased fermentation costs. Formaldehyde was not yet in a short position, but the methanol shortage represented a potential threat.

There was no off-shore molasses to be had anywhere at any price, and domestic material was very scarce and had soared to a price level where a dollar would buy less than four gallons.

Acetanilide—The demand for USP material was reported as relatively slow, but demand for the technical grade as a chemical intermediate was said to be good. The combined production of both technical and USP material amounted to 360,754 pounds in August, according to the Tariff Commission, as against 472,948 pounds in July.

Acetone — One producer advanced prices to a schedule of 10c. per pound in tankcars, 11¾c. in drum carlots, and 12½c. in less than carlot drum quantities. The bulk of acetone production, however, remained at the former schedule based on tankcars at 8½c. per pound.

The Tariff Commission reported August production of acetone as 40,273,717 pounds, compared with the July output of 40,013,798 pounds. The Chemical Division of the Indian Standards Institution has set up specifications on acetone for solvent use.

Alcohol—Prices were unchanged from the range which was carried in the market since the beginning of the quarter, in that prices between different producers ranged from 50c. to 85c. per gallon on pure alcohol. However, within that range there have been upward price movements by individual producers to the extent that it can well be said that the great bulk of alcohol is moving at prices in the range of 65c. to 75c. per gallon, thus favoring the high side of the range rather than the lower.

Supplies were critically scarce, and there was no hope of relief for several months to come. It was the opinion of most producers that the market would become still tighter before it gets any easier.

Aminophylline — The market price in 100 pound quantities ranged last week from $5.35 to $5.85 per pound, with most producers quoting the old lower price and had apparently no disposition to advance prices in line with quotations of 50c. per pound higher quoted in some quarters. Supplies were reported as very tight, and in some instances deliveries were quite slow. Some producers said they were in a position to make reasonably prompt shipment.

Butyl Solvents—One producer advanced prices to 30½c. per pound in tankcars, 32¼c. in drum carlots, and 33¼c. in less than carlot drum quantities. This was done to partially offset increased raw material and manufacturing costs in fermentation operations. The above quoted price schedule applies to both normal butyl alcohol and normal butyl acetate.

So far as fermentation material was concerned, this left the market on butyl alcohol with a tankcar price range of 16c. to 30½c. per pound, while the acetate tankcar price range was thus broadened to 17c. to 30½c. per pound.

Meanwhile, synthetic production remained unchanged with both the alcohol and the acetate being quoted at 14½c. per pound in tankcars, 16¼c. in drum carlots, and 17¼c. in less than carlot drum quantities. Supplies of both synthetic and fermentation material were reported as tight, against which there continued a very heavy demand.

The Tariff Commission reported normal butyl alcohol production as amounting in August to 12,782,637 pounds, compared with the July output of 13,268,277 pounds.

Castor Oil—Oil prices were firm and unchanged. Beans were still quoted in the range of $175 per long ton.

Imports of beans last week amounted to 29,478 bags equivalent to 4,421,700 pounds, compared with 38,415 bags or 5,762,250 pounds the previous week, and 42,135 bags or 6,320,250 pounds during the corresponding week of 1949.

Total imports since January 1 of this year amounted to 1,157,443 bags equivalent to 173,616,450 pounds, compared with imports of 1,385,926 bags or 207,888,900 pounds during the corresponding period of last year.

Fishliver Oils—The Department of Interior reported that receipts of livers and viscera in Seattle in August were much less than half those of August of 1949. Holdings of livers and viscera in the Pacific northwest and Alaska were said to be but little more than a third of those of a year earlier. Discouraging returns from other fisheries, however, were felt in some quarters to perhaps be likely to encourage some fishermen to attempt to recoup during this quarter by engaging in fisheries that will contribute to the liver supply. Importations of foreign supplies were said to offer less incentive than prevailed in 1949, and the possibility was expressed that lower prices might slacken their flow to this country.

However, the estimate of the government industry analyst was that, even with lower imports, the market will be very poor at best, with prices at extremely low levels. Competition from synthetic products was seen as severe.

Prices of fishliver oils, their concentrates, and of synthetic vitamin A, in the domestic resale market have not changed substanitally since July. Supplies were regarded as adequate to take care of the potential demand.

Advice from Taiwan, Formosa, stated that exports of vitamin bearing fishliver oils to the United States were on the increase during the first half of this year. June exports were said to be 11,920 kilos, compared to 6,480 kilos in May and 2,700 kilos in April.

Glycerin—The market was static in so far as prices and the condition of critical scarcity was concerned. Producers of crude were still getting the high prices which have characterized the market in recent months, and which prevented marketers of refined glycerin from processing anything other than their own crudes, for sale as refined glycerin.

Many DO rated orders were coming into producers, and a high percentage of them were from firms which had not previously been customers. This caused considerable headaches for refiners already working under heavy pressure for material which they did not have. DO rated orders take preference over domestic business, however. Accordingly, there was a trend in the glycerin business with respect to DO rated orders which suppliers viewed as generally undesirable. Glycerin customers tended to place their DO rated orders with producers other than their regular suppliers, figuring that

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Iodochlorohydroxyquinolin, 60c. per lb.
Oxyquinolin sulphate, 50c. per lb.
Silver cyanide, 5¼c. per oz.
Nitrate, 4⅛c. per oz.

Prices Reduced

Menthol, 20c. per lb.
Rutin, ¼c. per gram.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
257.4	258.0	261.2	254.4	256.0

(For Current Prices see Page 9)

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by so doing they would still get their regular quota of glycerin from their regular supplier, and in addition would get the DO order filled from some other producer from whom they had not been buying.

Hydroxquinolin Sulphate — Prices were advanced 50c. per pound on this item last week. Demand was said to be holding up well, and it was reported that whereas there was a shortage of material reflecting the raw material scarcity some time ago, the current supply picture is now in better shape because the raw material picture had eased somewhat. Higher raw material and manufacturing costs, however, necessitated an upward adjustment of price schedules. Under the present price pattern, 100 pound lots were quoted at $4.75 per pound, with smaller lots ranging to $5 and up.

Iodides—In line with price advances on sodium, ammonium, potassium, and mercury iodides as reported in the previous issue, price revisions were somewhat later effected on barium, calcium, and strontium salts. This brought barium iodide in 5 pound bottles to $6.14 per pound, calcium iodide in 25 pound jars to $4.32 per pound, and strontium iodide in 25 pound jars to $3.37 per pound.

Production of potassium iodide in Japan was said to have been at a virtual standstill until May of 1950 when several large export orders revived the industry. In June two plants produced 3,600 kilograms, with July production somewhat higher.

Iodochlorohydroxyquinolin — This, and the other iodated hydroxyquinolin compounds, were advanced 60c. per pound last week as a result on increased raw material costs, particularly chlorine, iodine, and quinolin materials. This brought current quotations up to $6.50 per pound for drum quantities, instead of the $5.90 per pound previously quoted. Supplies were on the short side, but not critical.

Menthol — The more favorable supply position of the spot market, together with the arrival of lower cost material from China resulted in the further lowering of price schedules. But last week's drop was less drastic than those of the preceeding two weeks. After a price reduction of 20c. per pound, material was currently quoted on the spot market at $10.80 to $11 per pound.

Methanol — There was a real scarcity developing in this market, which led to unconfirmed rumors of a price advanced. The shortage was the result in part of a substantial cut back in production by a leading producer as a result of difficulties experienced at the producing area. This had not as yet been reflected in a formal-

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dehyde shortage, but did set the stage for a potential scarcity of formaldehyde.

Total output of synthetic methanol in August was reported by the Tariff Commission as amounting to 75,660,508 pounds, compared with 73,868,788 pounds in July. Natural methanol production during August amounted to 1,224,204 pounds, while the July output was 1,105,768 pounds.

Molasses—There was virtually no offshore molasses to be had at any price. The only material available was that of domestic production which moved at a price of around 26½c. per gallon, mostly into feed channels, it being too high priced for alcohol production.

There was no apparent relief of the current scarce and critical molasses supply situation foreseen in the near future. What the picture would be when new crop molasses is again available was a matter of conjecture. Meanwhile, demand for alcohol was on the increase, and production on a high cost basis for fermentation material was the only recourse. Synthetic production proceeded at full capacity on alcohol, but some forty-five percent of the country's needs still have to come from fermentation sources.

Rutin—In the face of a demand which was significantly under that of some months ago, supplies were quite ample and the market weakened over recent weeks, competitively resulting in a lowering of price schedules. Substantial quantities were priced as low as 1¾c. per gram to 2c., with smaller lots ranging upward to 3½c. per gram depending upon seller and quantity.

Silver Salts — During the week silver metal took a sharp advance early in the week of 5c. per ounce, the first price change since May. Later in the week the metal advanced another 2c. per ounce, making a total upward price movement for the week of 7c. per ounce, advancing from 72c. to a new high of 80c. per ounce. This, of course brought corresponding price increases in silver salts.

The net change for the week of upward price adjustments on silver cyanide amounted to 5¼c. per ounce on lots of 2,500 ounces. On silver nitrate in lots of 2,500 ounces the net upward price adjustment totaled 4⅛c. per ounce.

Under the latest price schedule silver cyanide was quoted at 72⅜c. per ounce for a single 100 ounce bottle, 72⅛c. per ounce in lots of 500 ounces, 71⅞c. per ounce in lots of 1,000 ounces, and 71⅝c. per ounce in lots of 2,500 ounces.

The latest price schedule on silver nitrate listed single 250 ounce bottles at 52⅞c. per ounce, 500 ounce lots at 52⅜c. per ounce, 1,000 ounce lots at 51⅞c. per ounce, and lots of 2,500 ounces at 50⅝c. per ounce.

Theophylline — Following a price advance by one maker as reported the previous week, prices ranged from $5.50 to $6 per pound, with most producers quoting $5.50 for 100 pound lots. Supplies were tight, and deliveries in some cases were reported as slow, whereas in other cases it was said that delivery could be made with reasonable promptness. There was no indication in the industry that the price advance would become general.

HIF Names Van Gorder

The Health Information Foundation has appointed George Van Gorder, president of McKesson & Robbins, Inc., chairman of the finance committee. Mr. Van Gorder, recently elected to the HIF board of directors, has also agreed to serve on the executive committee of the foundation. A past president of the National Wholesale Druggists' Association, Mr. Van Gorder has been president of McKesson & Robbins since 1949.

Sumner to Move Nov. 1

Sumner Chemical Company will move its sales office from 52 Wall street, New York, to 6 East 45th street, New York 17, on November 1. Telephone number will be MUrray Hill 2-7970.

Lo Bue Moves Offices

The Philip J. Lo Bue Company has moved to larger quarters at 277 Park avenue, New York, it was announced last week. Telephone number is MUrray Hill 8-8087.

American Potash Correction

In reporting November 1 increases by the American Potash & Chemical Corporation, New York, in the previous issue, the amount of the advances on refined, agricultural pentahydrate and anhydrous grades of borax were incorrectly stated. Refined borax and agricultural pentahydrate borax will go up $2 per ton in bulk and $2.50 in bags. Anhydrous borax will advance $3.50 per ton in bulk and $4 in bags.

APhA Asks Nominations For 1951 Iodine Award

The American Pharmaceutical Association is currently receiving nominations for the 1951 Chilean Iodine Educational Bureau Award. Any member of the association may propose a nominee by submitting eight copies of each of the publications to be considered in the competition, a biographical sketch of the nominee including date of birth and a list of his publications. Eight copies of the nomination must be submitted to Robert P. Fischelis, APhA secretary, 2215 Constitution avenue, N. W., Washington 7, D. C., on or before January 1, 1951.

A nominee must be a resident of the United States or Canada. To be eligible he must be engaged in the research on the chemistry or pharmacy of iodine and its compounds as applied to pharmacy or medicine during the period covered by the nomination. Nominees who have engaged in research under the sponsorship of the Chilean Iodine Educational Bureau two years prior to the nomination are not eligible. The award consists of $1,000, $250 for expenses and a diploma setting for the reasons for his selection.

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Winthrop-Stearns Names 2 New Division Heads

Two new divisional managers of professional services offices in Chicago, Ill., and New Orleans, La., have been named by Winthrop-Stearns, Inc., New York. Alva Proctor, formerly special hospital representative, succeeds E. E. Dungan, resigned, as Chicago manager, with headquarters at 445 Lake Shore drive. W. D. Riley, who has left the company, has been replaced in New Orleans by Harold Q. Callahan, who was special hospital representative in Atlanta, Ga. The New Orleans office is in the Hibernia Bank building. Mr. Proctor has been with Winthrop-Stearns since 1941, while Mr. Callahan joined the firm in 1946.

Wisconsin Pharmacists Meeting Set for Friday

The annual Wisconsin pharmacists institute will be held November 3 at the University of Wisconsin School of Pharmacy, Madison. The one-day meeting will feature two discussion sessions, one on "Pharmaceutical Economics," and the other on "Ophthalmic Preparations."

The section on "Pharmaceutical Economics" will include a lecture by Professor Donald H. Cramer on "Can I Afford to Remodel?" and a panel discussion on "What Price Prescriptions?". The "Ophthalmic Preparations" section will feature laboratory work on new preparation technics for eye medications under the supervision of Professor Dale E. Wurster.

Baltimore P.A.'s to Honor Jones at Dinner November 15

National President's Night will be observed by the Purchasing Agents' Association of Baltimore at its next meeting, November 15 in the Emerson hotel. Harold F. Jones, president of the national association, will be guest of honor. He is associated with E. I. du Pont de Nemours & Co., Wilmington, Del.

Trade Briefs

Bymart, Inc., has leased a one-story building at 36-28 Thirty-eighth street, Long Island City, N. Y.

National Distillers Products Corporation has appointed Alynn Shilling acting advertising director.

The Bobst Pharmacal Company, Inc., New York, has appointed Murray Breese Associates, Inc., New York, to handle its direct mail, medical and drug trade journal advertising.

Robert W. Johnson, chairman of Johnson & Johnson, New Brunswick, N. J., will receive the Human Relations Award of the Society for the Advancement of Management at its November 2 dinner meeting.

A Half Century of Achievement!

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•
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Standardized and Biologically Controlled

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Gedeon Richter Pharmaceutical Products, Inc.
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Pharmaceutical Trust Ltd.
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SEYDEL CHEMICAL COMPANY
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Barnett's
CAROTENE
Golden Opportunity Brand Vitamin A

ENRICHES AS IT COLORS

1 Carotene is the only form of Vitamin A which both colors and enriches.

2 Available in various types suitable for use in Butter, Margarine, Bakery Products, Feeds, etc.

3 NEW LOW PRICES competitive with those of other forms of Vitamin A.

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Imports at United States Ports

New York

AGAR—10 bls, Dodwell & Co, Kobe
ALCOHOL—5 ctns, Orving Engell, Copenhagen
AMMONIUM ALGINATE—1 dm, Austenal Labs, Glasgow
BICARBONATE—100 bbls, Philipp Bros., Rotterdam
BIFLUORIDE—40 cks, H S Dorf, Liverpool
CHLORIDE—84 bgs, Philipp Bros, Amsterdam
1,661 bgs, National Carbon Co, Liverpool
133 bgs, Alreco Metal Corp, Liverpool
400 bgs, Liverpool
ANILIN COLORS—104 dms, Ciba Co, Rotterdam
42 dms, Arnhold Hoffman, Liverpool
2 dms, Gondrand Bros, Rotterdam
1 dm, Heemsoth Kerner, Liverpool
ANISEED—31 bgs, Istanbul
ARABIC GUM—250 bgs, J Wolf, Port Sudan
254 bgs, T M Duche, Port Sudan
256 bgs, Thurston & Braidich, Port Sudan
153 bgs, E Meer Corp, Port Sudan
304 bgs, Guaranty Trust Co, Port Sudan
250 bgs, National City Bank, Port Sudan
250 bgs, Henry Heide, Port Sudan
250 bgs, Irving Trust Co, Port Sudan
ARECA NUTS—400 bgs, S B Penick, Colombo
ARGOLS—742 bgs, Tartaric Raw Materials, Naples
500 bgs, Irving Trust Co, Catania
ARSENIC—123 bbls, American Smelting & Refining Co, Tampico
20 dms, C Tennant Sons, Liverpool
BABASSU OIL—110 tons, Colgate Palmolive Peet, Sao Luiz Do Maranhao
170 tons, Glidden Co, Sao Luiz Do Maranhao
BARBASCO ROOT—2,692 bls, Belem Para
BARIUM NITRATE—40 cks, Glasgow
BAUXITE RESIDUE—1,200 bgs, Reichard Coulston, Belfast
BEESWAX—20 bgs, Machado & Co, Ciudad Trujillo
120 blocks, Luanda
65 pks, Port Sudan
8 bgs, National City Bank, Havana
BENZOIN GUM—20 cs, Norda Essential Oil & Chemical Co, Bangkok
6 cs, Ungerer & Co, Bangkok
3 cs, Lo Curto & Funk, Bangkok
10 cs, Bangkok
25 bdls, Max Van Pels, Singapore
BERGAMOT OIL—32 cs, Corn Exchange Bank, Messina
42 qu cs, National City Bank, Messina
6 half cs, Messina
BERYL OIL—60 cs, Fabrikant Industrial Corp, Nagoya
1,500 bgs, Wilson & Sons, Rio de Janeiro
881 bgs, P A Dana, Victoria
BISMUTH OXICHLORIDE RESIDUE—11 dms, Danwill Co, Rotterdam
BONE—47 bgs, International Packers Commercial, Buenos Aires
1,116 bgs, Wilson & Co, Santos
274 bgs, International Packers Commercial, Buenos Aires
77 bgs, International Packers Commercial, Santos
BRUCINE—33 cs, Lo Curto & Funk, Glasgow
SULPHATE—5 cs, Charles L Huisking, Hamburg
BUTTONLAC—150 bgs, Colony Import & Export Co, Calcutta
CADMIUM METAL—42 cs, American Union Transport, Yokohama
CALCIUM GLYCEROPHOSPHATE—40 kegs, Gallard Schlesinger Chemical Corp, London
1 cs, P J Lobue Co, London
CAMPHOR OIL—45 dms, Magnus Mabee & Reynard, Yokohama
CANDELILLA WAX—875 bgs, G Jimenez, Tampico
CARAWAYSEED—200 bgs, Levy & Lewis, Rotterdam
100 bgs, Kanro Trading, Rotterdam
200 bgs, A Gronowitz, Rotterdam
81 bgs, Murwal Inc, Beirut
650 bgs, Catz American Co, Rotterdam
300 bgs, D Gronowitz, Rotterdam
100 bgs, Becker Mayer, Rotterdam
200 bgs, Joel Bieler, Rotterdam
CARDAMOM—30 bgs, J S Khorana, Bangkok
12 cs, O P Sharma, Calcutta
CARNAUBA WAX—96 bgs, Wessel Duval, Rio de Janeiro
139 bgs, Jerome International Co, Rio de Janeiro
77 bgs, David Levin, Salvador
210 bgs, Stein Hall, Salvador
CASEIN—900 bgs, Industrial Raw Materials Corp, Rotterdam
894 bgs, Industrial Raw Materials, Rotterdam
419 bgs, American Cyanamid Co, Rotterdam
548 bgs, Industrial Raw Materials, Auckland
400 bgs, Borden Chemical Co, Auckland
1,240 bgs, Marks & Coyle, Hamburg
500 bgs, Bordens Co, Buenos Aires
1,200 bgs, Crawford Co, Buenos Aires
1,000 bgs, New York Trust Co, Buenos Aires
1,000 bgs, Eugenio Lang, Buenos Aires
1,500 bgs, American Cyanamid, Buenos Aires
1,000 bgs, Tupman Thurlow Co, Buenos Aires
1,940 bgs, Borden Co, Buenos Aires
CASSIA—100 bls, Becker Mayer Seed Co, Hong Kong
200 bls, K H Landes Co, Hong Kong
179 bls, B H Old & Co, Tandjong Priok
176 bls, Arthur G Dunn, Tandjong Priok
4 bls, Mincing Trading Co, Tandjong Priok
506 bls, J F Merz, Tandjong Priok
737 bls, Internatio Rotterdam, Tandjong Priok
183 bgs, Internatio Rotterdam, Rotterdam
268 bls, Internatio Rotterdam, Amsterdam
BUDS—25 bgs, K H Landes, Hong Kong
CASTORBEANS—2,968 bgs, Baker Castor Oil Co, Santos
11,860 bgs, Harwill & Co, Taku Bar
2,250 bgs, Spencer Kellogg & Sons, Lobito
2,550 bgs, Spencer Kellogg & Sons, Salvador
9,850 bgs, Baker Castor Oil Co, Salvador
OIL—325 tons, Recife
CATTLE HOOFS—830 bgs, Buenos Aires
CAUSTIC POTASH—94 dms, Bluefries N Y, Rotterdam
35 dms, H D Sheldon, Hamburg
SODA—1,000 dms, Philadelphia Quartz Co, Liverpool
49 dms, Hanseatic, Inc, Liverpool
33 dms, Barclay Chemical Co, Liverpool
19 dms, Dalton Cooper, Liverpool
750 dms, Cincinnati Chemical Works, Rotterdam
10 dms, Standard International Co, London
30 dms, London
CELERYSEED—88 bgs, Toledano & Pinto, Bombay
118 bgs, Otto Gerdau, Bombay
CERIUM CHLORIDE—22 dms, Metallo Chemical Co, Santos
CHARCOAL—1,647 bgs, Holland Colombo Trading, Colombo
CHEMICALS—106 dms, Fallek Products Co, Rotterdam
25 cks, D W Hickey Forwarding Co, Rotterdam
13 cs, M J Corbett, Havre
CHESTNUT EXTRACT—1,000 bgs, Barkey Importing Co, Genoa
CHINA CLAY—560 bgs, English China Clay Sales, Liverpool
CHLORPARAXYLENE—3 dms, Harmon Color Works, Rotterdam
CHLORPXYDOL—10 dms, National Anilin Div, Rotterdam
CHROME ORE—3,362 tons, Chase National Bank, Lourenco Marques

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METHYL SALICYLATE
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GUAIACOL N.F. (*Crystals and Liquid*)
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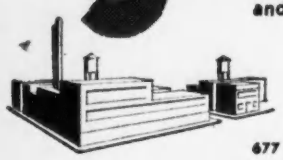

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Last month. We regret that we could not meet the flood of orders that resulted. Our production is increasing and we expect to furnish reasonable amounts in addition to current commitments in November.

The color of PAS—Sumner has also improved as we gain experience with the plant, and we would appreciate an opportunity to show you our product and discuss your requirements.

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CHROMIUM GREEN OXIDE—80 dms, Bluefries, Inc, Rotterdam
CINCHONA ALKALOID CRYSTALS—1 cs, C L Huisking, Hamburg
PRODUCTS—30 cs, Guaranty Trust Co, Rotterdam
CINNAMON BARK OIL—1 cs, Ungerer & Co, Colombo
QUILLS—100 bls, Volkart Bros, Colombo
CINTRONELLA OIL—5 dms, Norda Essential Oils, Vancouver
50 dms, Givaudan Delawanna, Puerto Barrios
50 dms, Lo Curto & Funk Co, Puerto Barrios
CLAY—84 cks, Transmares Corp, Rotterdam
COALTAR COLORS—8 dms, C A Haynes, Rotterdam
DYE—79 dms, C A Haynes, Rotterdam
53 dms, Kaufmann & Vinson, Bremen
PITCH—1 cs, Tar Residuals, Manchester
COCONUT OIL—398 tons, Philippine Refining Corp, Manila
1,022 tons, Cebu
COLOCYNTH PULP—80 bls, R J Prentiss, Port Sudan
COLUMBITE ORE—1 bg, Liverpool
1,413 bgs, Union Carbide & Carbon Co, Apapa
COPAL GUM—240 bgs, S Winterbourne, London
182 pkgs, Balfour Guthrie, Tandjong Priok
CORIANDER SEED—240 bgs, Charles T Wilson, Buenos Aires
190 bgs, D Hecht, Buenos Aires
COTTON LINTERS—96 bls, Williamson Northrup, Santos
CREAM OF TARTAR—105 bbls, F H Taussig, Genoa
CRESYLIC ACID—183 dms, Monsanto Chemical Co, Liverpool
182 dms, Washine National Sands, Liverpool
100 dms, Charles Page, Liverpool
100 dms, Tar Residuals, Liverpool
100 dms, Liverpool
400 dms, Glasgow
100 dms, Washine National Sands, Manchester
150 dms, Philipp Bros, Liverpool
270 dms, American Cyanamid Co, London
218 dms, H A Gogarty, Liverpool
1 cs, H A Gogarty, Liverpool
CUBEBS—84 bgs, Meer Corp, Singapore
CUTTLEFISH BONES—300 cs, American Cuttlefish & Crucible Co, Sfax
100 cs, Societe Generale, Sfax
50 cs, Sfax
DAMMAR GUM—1,260 bgs, U S Industrial Chemicals, Singapore
210 bgs, O G Innes Corp, Singapore
70 bgs, W H Scheel, Singapore
40 cs, O G Innes & Co, Bangkok
DERRIS ROOT—485 bls, John Powell, Antwerp
DIESEL OIL—40,000 bbls, Esso Export Corp, Aruba
DILLSEED—300 bgs, K A Export Co, Bombay
DRUGS—1 bl, C L Huisking, London
CRUDE—103 tons, S B Penick & Co, Saigon
DYESTUFFS—29 cks, Arnold Hoffman, Liverpool
21 dms, Ciba Co, Rotterdam
253 bgs, Arnhold Hoffman, Liverpool
EARTH COLORS—200 bgs, Smith Chemical & Color Co, Genoa
EGG ALBUMEN—25 cs, Max Van Pels, Vancouver
107 cs, D L Moss, Vancouver
224 cs, Consumers Import Co, Vancouver
112 cs, Stein Hall & Co, Vancouver
112 cs, Kane Import Co, Vancouver
112 cs, Arnhold & Co, Vancouver
112 cs, Avia Co, Vancouver
336 cs, Great Western Dist, Taku Bar
330 cs, Edson & Pratt, Taku Bar
5 cs, T H Angermeier, Taku Bar
112 cs, Isbrandsten Co, Taku Bar
55 cs, Max Van Pels, Vancouver
20 cs, Oliver Co, Vancouver
ESSENTIAL OILS—5 dms, Roure-Dupont, Marseilles
1 cs, Roure-Dupont, Marseilles
5 dms, Yardley of London, Marseilles
3 cs, Antoine Chiris, Marseilles
15 dms, Naugatuck Aromatics, Marseilles
1 cs, Naugatuck Aromatics, Marseilles
1 ck, Naugatuck Aromatics, Marseilles
3 dms, Manufacturers Trust Co, Marseilles
3 cs, Manufacturers Trust Co, Marseilles
5 dms, Marseilles
3 cs, Camill, Albert & Lalove, Marseilles
4 cks, Camill, Albert & Lalove, Marseilles
5 dms, Fritzsche Bros, Marseilles
1 ck, Fritzsche Bros, Marseilles
10 dms, Ungerer & Co, Marseilles
5 dms, Givaudan Delawanna, Marseilles
4 cks, Givaudan Delawanna, Marseilles
2 cks, Dodge & Olcott, Marseilles
1 ck, Havre
1 cs, Barnett Forwarding Co, Havre
10 dms, Vera Cruz
ETHYLENEGLYCOMONOETHYLETHER—52 dms, Interchemical Corp, London
EUCALYPTUS OIL—6 dms, Lo Curto & Funk, Vancouver
6 dms, Lo Curto & Funk, Santos
FERRO CHROME—770 dms, J W Hampton, Jr, Yokohama
TUNGSTEN—107 cs, National City Bank, Yokohama
200 cs, F H Lenway, Yokohama
FISHLIVER OIL—3 dms, Consumers Import Co, Yokohama
FUEL OIL—3,960 bbls, Shell Oil Co, Curacao
101,291 bbls, Hess, Inc, Punta Cardon
101,095 bbls, Metropolitan Petroleum, Brighton
30,492 bbls, Asiatic Petroleum Corp, Curacao
512,298 bbls, Esso Export Corp, Aruba
105,422 bbls, Esso Standard Oil, Carioito
GALANGAL ROOT—200 bls, R J Prentiss, Hong Kong
GALL CONCENTRATES—32 cks, Buenos Aires
GALLNUTS—1,680 bgs, Mallinckrodt Chemical Works, Hong Kong
GELATIN—300 bgs, Transatlantic Animal By-Products Corp, Bremen
100 bgs, Transatlantic Animal By-Products Corp, Bordeaux
140 bgs, Transatlantic Animal By-Products, Liverpool
160 bgs, Transatlantic Animal By-Products, Liverpool
GLUE—40 bgs, Plymers Industries, Bordeaux
BONE—681 bgs, Consolidated Chemical Industries, Buenos Aires
STOCK—125 rolls, H Remis, Barranquilla
GRAPHITE—1,000 bgs, J Dixon Crucible, Colombo
1,000 bgs, Charles Pettinos, Colombo
1,500 bgs, Asbury Graphite Mills, London
GUAICWOOD OIL—25 cs, George Uhe, Buenos Aires
GYPSUM—224 bgs, Whittaker, Clark & Daniels, Liverpool
5,600 tons, U S Gypsum Co, Hantsport
5,075 tons, Newark Plaster Co, Walton
8,971 tons, National Gypsum Co, Little Narrows
HOOF & HORN MEAL—373 bgs, Vera Cruz
28 bgs, Tampico
IPECAC ROOT—1 bg, Wessel Duval, Cristobal
IRIS RESIN OIL—1 cs, Ungerer & Co, Marseille
IRON OXIDE — 50 cks, Transatlantic Pigment Corp, Rotterdam
224 bgs, Whittaker, Clark & Daniels, Liverpool
RED—90 bbls, Bremen
JUNIPER BERRY OIL—3 dms, Magnus, Mabee & Reynard, Rotterdam
KAMALA POWDER—17 bgs, R J Prentiss, Bombay
KARAYA GUM—133 bgs, Meer Corp, Bombay
40 bgs, National City Bank, Bombay
66 bgs, K A Export Co, Bombay
KAURI GUM—127 bgs, S Winterbourne, Auckland
LANOLIN—22 cs, Schering Corp, Rotterdam
11 cs, Vitamerican Oil Co, Rotterdam
100 dms, Hummel Chemical Co, Rotterdam
LATTICO ACID—1 dmjn, Filtration Engineers, Genoa
LAUREL LEAF OIL—2 dms, Magnus, Mabee & Reynard, Piraeus
LEMON OIL—50 cs, Lo Curto & Funk, Santos
150 qtr cs, Bank of Manhattan, Messina
100 qtr cs, Chase National Bank, Messina
LEMONGRASS OIL—6 dms, Magnus, Mabee & Reynard, Cochin
30 dms, Norda Essential Oils, Puerto Barrios
5 dms, Dodge & Olcott, Puerto Barrios
12 dms, Fritzsche Bros, Puerto Barrios
LIME JUICE—17 cks, W J Bush Co, Port of Spain
16 bbls, Citrus & Allied Essential Oils, Puerto Plata
OIL—35 cs, Fritzsche Bros, Tampico
1 dm, Citrus & Allied Essential Oils, Puerto Plata
LITHOPONE—400 bgs, Orbis Chemical Corp, Antwerp
LIVERMEAL—441 bgs, Wilson & Co, Timaru
500 bgs, Wessel Duval, Auckland
600 bgs, Wessel Duval, Buenos Aires
LOCUST BEAN GUM—400 bgs, T M Duche & Sons, Genoa
500 bgs, Genoa
900 bgs, Genoa
MACE—42 cs, John Holt, Grenada
38 cs, Middleton & Co, Grenada
40 cs, K H Landes, Colombo
MAGNESIA CARBONATE—50 cs, Lo Curto & Funk, Liverpool
MANGROVE EXTRACT—1,100 bgs, Saxe Cutch Co, Singapore
MARJORAM LEAVES—112 bls, Louis Furth, Marseilles
MASTIC GUM—10 cs, D Costalos, Piraeus
MEDICINAL FLOWERS—60 bgs, S B Penick, Rotterdam
HERBS—32 bgs, S B Penick, Buenos Aires
40 bls, National City Bank, Antwerp
20 bgs, Inland Alkaloid Co, Antwerp
LEAVES—60 cs, S B Penick, Rotterdam
100 bkts, S B Penick, Rotterdam
SEED—25 bgs, H R Howe, Marseilles
336 bgs, S B Penick & Co, Hong Kong
MENTHOL—50 cs, Rudolph Desco, Vancouver
50 cs, Bristol Myers, Vancouver
20 cs, Lo Curto & Funk, Vancouver
25 cs, Paul A Dunkel, Taku Bar
20 cs, R J Prentiss & Co, Taku Bar
63 cs, Bristol Myers Co, Taku Bar
200 cs, Lo Curto & Funk, Vancouver
10 cs, Sembodja Corp, Vancouver
MERCURY OXIDE, RED—1 cs, F W Berk, London
META CRESOL—11 dms, H A Gogarty, Liverpool
MICA—260 cs, Cornelius & Suhr, Calcutta
6 cs, Hal Delphin, Calcutta
175 cs, Schwab Bros, Calcutta
100 cs, United Mineral & Chemical Co, Calcutta
30 cs, Asheville Mica Co, Calcutta
369 cs, United Mineral & Chemical Co, Calcutta
215 cs, Schwab Bros, Calcutta
50 cs, Ford Radio & Mica Co, Calcutta
386 cs, James F Garneau, Calcutta
625 cs, Ameritex Dev Co, Calcutta
237 cs, Asheville Mica Co, Calcutta
6 cs, Cornelius & Suhr, Calcutta
7 cs, Schwab Bros, Calcutta
248 cs, Eugene Munsell, Calcutta
15 cs, Ferro Traders, Calcutta
429 cs, Cornelius & Suhr, Madras
125 cs, Hal Delphin, Madras
140 cs, United Mineral & Chemical Co, Madras
81 cs, James F Garneau, London
100 cs, Hal Delphin, London
7 cs, Western Hemisphere Raw Materials, Rio de Janeiro
13 cs, Eugene Munsell, Rio de Janeiro
20 cs, Siegfried Cussell, Rio de Janeiro
83 cs, Western Hemisphere Raw Materials, Rio de Janeiro
250 cs, Western Hemisphere Raw Materials Co, Santos
213 cs, Sylvania Electric Products, Rio de Janeiro
MONTAN WAX—600 bgs, Wax & Rosin Products, Bremen
2,200 bgs, Rohner Gehrig, Hamburg
133 bgs, Innis Speiden, Hamburg
MUSTARDSEED—100 bgs, Amaren Trading Corp, London
165 bgs, Levy & Lewis, Hamburg
600 bgs, Charles Gulden, Bari
NAPHTHALENE—1,532 bgs, Hudson Shipping Co, Rotterdam
500 bgs, American Union Transport, Rotterdam
635 bgs, Rosenthal Bercow, Manchester
NICKEL SULPHATE—6 dms, Bluefries, N Y, Antwerp
400 bgs, Philipp Bros, Amsterdam
NUTMEGS—300 bgs, John Holt, Grenada
250 bgs, Middleton & Co, Grenada
150 bgs, K H Landes, Grenada
56 bgs, Kelly American, Amsterdam
96 bgs, Getz Import Co, Singapore
56 bgs, John Holt, Singapore
131 bgs, K H Landes, Tandjong Priok
NUX VOMICA—298 bgs, Volkart Bros, Saigon
OCOTEA CYMBARUM OIL—45 dms, Geismar & Co, Itajai
45 dms, Geismar & Co, Itajai
50 dms, Lo Curto & Funk, Itajai
OLIVE OIL—200 dms, Central Hanover Bank, Tarragona
675 dms, National City Bank, Tarragona
317 dms, Hellenic Bank & Trust Co, Tarragona
398 dms, J Henry Schroder, Tarragona
354 dms, Manufacturers Trust Co, Tarragona
155 dms, Manufacturers Trust Co, Malaga
250 dms, Central Hanover Bank, Malaga
100 dms, Old Monk Olive Oil Co, Marseilles
1,500 dms, Smith Weihman, Sfax
OPIUM—375 cs, Barr Shipping Co, Istanbul
OURICURY WAX—112 bgs, Innis Speiden, Salvador
112 bgs, Wax & Rosin Products, Salvador
56 bgs, Strahl & Pitsch, Salvador
OX BILE—1 bbl, Lo Curto & Funk, Glasgow
GALL—32 cks, Buenos Aires
4 trcs, International Products, Buenos Aires
3 cks, Tupman Thurlow, Buenos Aires
PALM OIL—2 dms, Harrison & Crosfield, Antwerp
850 tons, Standard Bank of South Africa, Port Harcourt
PALMAROSA OIL—1 pot, Corn Exchange Bank, Bombay
PAPAIN—14 half cs, R J Prentiss & Co, Colombo
14 cs, American Ferment Co, Colombo
9 cs, Meer Corp, Colombo
PAPRIKA—1,392 bgs, Barnett International Forwarding Co, Antwerp
PARACHLOROMETACRESOL—9 kgs, H A Gogarty, Liverpool
PEATMOSS—1,000 bls, Brussels Corp, Bremen
50 bls, Bank of N Y, Bremen
1,974 bls, Premier Peatmoss Corp, Dublin
PEPPER, BLACK—160 bgs, Mincing Trading Co, Cochin
480 bgs, Bandishar Gopaldas, Cochin
80 bgs, Arthur G Dunn, Cochin
160 bgs, N V Handel, Cochin
80 bgs, M Golodetz, Cochin
80 bgs, National City Bank, Cochin
80 bgs, Manufacturers Trust Co, Cochin
168 bgs, Otto Gerdau, Singapore
160 bgs, National City Bank, Singapore
160 bgs, A C Israel, Alleppey
80 bgs, Colonial Commerce Co, Alleppey
80 bgs, M Golodetz, Alleppey
80 bgs, A G Dunn, Alleppey
80 bgs, Joensson & Cross, Alleppey
480 bgs, Internatio Rotterdam, Tandjong Priok
224 bgs, Mincing Trading Co, Tandjong Priok
80 bgs, Sembodja Corp, Tandjong Priok
144 bgs, Far Eastern Commodities, Tandjong Priok
160 bgs, U S & Indonesia Trading Co, Tandjong Priok
480 bgs, Internatio Rotterdam, Tandjong Priok
84 bgs, Mincing Trading Co, Tandjong Priok
144 bgs, Far East Commodities Corp, Tandjong Priok
160 bgs, Virchand Panachand, Tandjong Priok
80 bgs, Moller Trading Co, Bombay
80 bgs, East Asiatic Co, Bombay
80 bgs, Otto Gerdau, Bombay
80 bgs, R T French, Bombay

PEPPER, BLACK—320 bgs, A G Dunn, Bombay
80 bgs, Mangalore
80 bgs, A G Dunn, Mangalore
188 bgs, Otto Gerdau, Rotterdam
WHITE—104 bgs, Mincing Trading Co, Tandjong Priok
148 bgs, East India Trading Co, Tandjong Priok
80 bgs, Internatio Rotterdam, Tandjong Priok
PETROLEUM ASPHALT—51,380 bbls, Shell Oil Co, Curacao
CRUDE—114,341 bbls, Esso Standard Oil, Amuay
179,869 bbls, Esso Standard Oil, Cartagena
248,198 bbls, Esso Standard Oil, Puerto La Cruz
180,765 bbls, Cities Service Co, Amuay
PHTHALIC ANHYDROUS ACID—550 bgs, Reichold Chemicals, Rotterdam
PIG GALL—17 dms, Lo Curto & Funk, Copenhagen
POLLACKLIVER OIL—90 dms, Albumina Supply Co, Yokohama
100 dms, Consumers Import Co, Yokohama
30 dms, Maxim Chemical Co, Yokohama
50 dms, Transocean Commerce, Inc, Yokohama
POPPYSEED—100 bgs, Louis Furth, Rotterdam
200 bgs, Rotterdam
50 bgs, J Pechmann, Rotterdam
100 bgs, Reiss & Bernard, Rotterdam
100 bgs, Alltransport, Rotterdam
200 bgs, M J Golombeck, Rotterdam
275 bgs, R J Spitz, Rotterdam
100 bgs, Catz American, Rotterdam
200 bls, A G Dunn, Rotterdam
200 bgs, A Gronowitz, Rotterdam
200 bgs, Louis Furth, Buenos Aires
POTASSIUM BICHROMATE—59 dms, M W Hardy & Co, London
CYANIDE—715 dms, E I du Pont de Nemours, Liverpool
200 dms, Winsor & Newton, Liverpool
FERRICYANIDE—20 kgs, Spring Chemical Co, Rotterdam
100 bgs, Hunt Chemical Works, Antwerp
METABISULPHITE—66 bbls, Chemical Bank & Trust, Hamburg
PERSULPHATE—100 kgs, Parsons & Whittemore, Hamburg
SULPHATE—950 bgs, Synthetic Nitrogen Corp, Bremen
PROTAMINE SULPHATE—1 cs, Glasgow
PSYLLIUM SEED—284 bgs, S B Penick, Bombay
40 bgs, J L Hopkins, Bombay
182 bgs, Meer Corp, Bombay
PYRETHRUM FLOWERS—221 bgs, S B Penick, Bombay
QUEBRACHO EXTRACT—4,556 bgs, Manufacturers Trust Co, Buenos Aires
696 bgs, International Products, Buenos Aires
1,490 bgs, River Plate Import & Export, Buenos Aires
1,783 bgs, Carl M Loeb Rhoades, Buenos Aires
4,156 bgs, River Plate Import & Export Co, Buenos Aires
1,044 bgs, Olson Sales Agency, Buenos Aires
QUINIDINE SULPHATE—1 cs, Lo Curto & Funk, Hamburg
9 cs, C L Huisking, Hamburg
RAPESEED—1,650 bgs, Catz American Co, Rotterdam
RED SAGO—5 bgs, F Henjes, Gothenburug
RESIN GUM—5 bgs, Southampton
RHUBARB ROOT—588 cs, Sembodja Corp, Vancouver
65 cs, Foh Yven & Co, Vancouver
ROSEWOOD OIL—14 dms, Lo Curto & Funk, Rio de Janeiro
SAGE LEAVES—200 bgs, Colonial Commerce Co, London
SAGO FLOUR—279 bgs, Harrisons & Crosfields, Singapore
784 bgs, Stein Hall, Singapore
SAL AMMONIAC—20 cs, M J Corbett, Havre
200 bgs, J E Bernard, Rotterdam
200 bgs, Rotterdam
SANDALWOOD OIL—9 cs, Givaudan Delawanna, Madras
SCHEELITE ORE—100 bgs, Bank of Manhattan Co, Bilbao
SEEDLAC—200 bgs, William Zinsser, Calcutta
200 bgs, Mac Lac Co., Calcutta
400 bgs, Mantrose Corp, Calcutta
500 bgs, Wm Zinsser, Calcutta
700 bgs, Mantrose Corp, Calcutta
500 bgs, Ralli Bros, Calcutta
100 bgs, Dings & Schuster, Calcutta
250 bgs, C H Timm, Calcutta
100 bgs, Carleton & Moffat, Calcutta
568 bgs, Gillespie-Rogers-Pyatt, Bangkok
200 bgs, J Berlage, Bangkok
114 bgs, Dominion Bank, Bangkok
357 bgs, Haeuser Shellac Co, Bangkok
1,542 bgs, Mac Lac Co, Bangkok
1,481 bgs, Bangkok
SENNA LEAVES—46 bls, J Hopkins, Port Sudan
PODS—17 bls, Kelly American Co, London
SESAME SEED—100 bgs, Becker Mayer Seed Co, Hong Kong
150 bgs, Levy & Lewis, Hong Kong
SHARKLIVER OIL—50 dms, Albumina Supply Co, Yokohama
2 dms, Transocean Commerce, Inc, Yokohama
SHELLAC—1,220 bgs, William Zinsser, Calcutta
300 bgs, MacLac Co, Calcutta
200 bgs, Gillespie Roger Pyatt, Calcutta
600 bgs, Mantrose Co, Calcutta
250 bgs, C H Timm, Calcutta
100 bgs, B Wilcox, Calcutta
200 bgs, P N Rowe, Calcutta
280 bgs, Ralli Bros, Calcutta
136 bgs, Dominion Bank, Bangkok
204 bgs, J H Schroeder, Bangkok
135 bgs, Schwab Bros, Bangkok
200 bgs, Colonial Commerce Co, Calcutta
225 bgs, P N Rowe, Calcutta
50 bgs, Ralli Bros, Hamburg
SIENNA EARTH—35 cks, Reichard Coulston, Leghorn
SILICO—96 cks, B F Drakenfeld, Bordeaux
SODA ASH—149 bgs, H A Gogarty, Liverpool
680 bgs, Chemical Manufacturing Co, Liverpool
50 bgs, J M Baird, London
9,706 bgs, Chemical Manufacturing Co, London
100 bgs, Barclay Chemical Co, London
1,000 bgs, American Union Transport, London
60 bgs, U S Lines, London
1,398 bgs, Manufacturers Chemical Co, Gothenburg
1,057 bgs, Chemical Manufacturing Co, Hamburg
500 bgs, Manufacturers Trust Co, Hamburg
14,238 bgs, Chemical Manufacturing Co, Liverpool
5,000 bgs, Industrial Raw Materials, Antwerp
300 bgs, Elbert & Co, Hamburg
7,000 bgs, Owens Illinois Glass Co, Bordeaux
SODIUM ANTIMONIATE—179 dms, Millmaster Chemical Corp, Liverpool
BICARBONATE—50 dms, London
6,348 bgs, Chemical Manufacturing Co, Liverpool
4,793 bgs, Chemical Manufacturing Co, Liverpool
BICHROMATE—37 dms, Bluefries N Y, Antwerp
CARBONATE MONOHYDRATE—300 bgs, Chemical Manufacturing Co, Liverpool
CYANIDE—200 dms, Leviant & Co, Rotterdam
1,120 dms, Elbert & Co, Rotterdam
NITRITE—16 dms, Bensol Products Co, Antwerp
100 bbls, Parsons & Whittmore, Rotterdam
212 dms, Public National Bank, Rotterdam
120 dms, D & S Chemical Corp, Rotterdam
60 bbls, American Union Transport, Rotterdam
60 bbls, Manufacturers Chemical Co, Hamburg
5 dms, J M Said Co, London
25 dms, J N Baird, Liverpool
40 dms, M W Hardy, Liverpool
20 dms, U S Lines, Liverpool
106 dms, Republic Chemical Corp, Rotterdam
527 dms, H D Sheldon, Rotterdam
SODIUM NITRITE—25 bbls, Philipp Bros, Hamburg
300 cks, Chemical Bank & Trust, Hamburg
25 dms, Max Kettner, Liverpool
250 dms, Ciba Co, Liverpool
25 dms, M H Hardy, Liverpool
97 bbls, Ciba Co, Genoa
25 bbls, Canes Chemical Works, Genoa
106 dms, Farber Products, Rotterdam
PRUSSIATE, YELLOW—321 bgs, Intermaritime Forw'd Co, Antwerp
SESQUICARBONATE—112 bgs, Liverpool
998 bgs, Procter & Gamble, Liverpool
SPERM OIL—100 dms, Glasgow
SPERMACETTI WAX—50 cs, Glasgow
STRONTIUM CARBONATE—1 dm, Gallard Schlesinger Chemical Corp, Marseille
CHLORURE—46 dms, International Selling Corp, Marseille
POWDER—3 dms, Gallard Schlesinger Chemical Corp, Marseille
STROPHANTHUS SEED—1 dm, Kelly American Co, London
TALC—5,945 bgs, Charles Mathieu, Genoa
TANKAGE—990 bgs, International Packers Commercial, Montevideo
420 bgs, Tupman Thurlow, Buenos Aires
TANNIC ACID—50 dms, American Dyewood Co, Glasgow
TAPIOCA FLAKES—500 bgs, Geismar & Co, Imbituba
FLOUR—500 bgs, Stein Hall, Tandjong Priok
1,569 bgs, Balfour Guthrie, Tandjong Priok
250 bgs, J H Schroder, Bangkok
167 bgs, General Export Co, Bangkok
500 bgs, First National Bank of Boston, Rio de Janeiro
580 bgs, Geismar & Co, Santos
1,200 bgs, Stein Hall, Santos
5,001 bgs, Geismar & Co, Itajai
2,860 bgs, Stein Hall, Imbituba
5,467 bgs, Geismar & Co, Itajai
6,000 bgs, Stein Hall, Itajai
895 bgs, First National of Boston, Itajai
535 bgs, Balfour Guthrie, Tandjong Priok
535 bgs, Far East Commodities Corp, Tandjong Priok
834 bgs, W R Grace, Parnahiba
417 bgs, Sembodja Co, Parnahiba
5,000 bgs, Stein Hall, Itajai
PEARL—208 bgs, Morningstar Nicol, Imbituba
167 bgs, Morningstar Nicol, Itajai
418 bgs, Catz American Co, Itajai
220 bgs, Stein Hall, Tandjong Priok
TAPIOCA SEED—55 bgs, Stein Hall, Tandjong Priok
THYMOL CRYSTALS—20 cs, New York Trust Co, Hamburg
TITANIUM—6 cks, Havre
TONKA BEANS—16 bbls, Dodge & Olcott, Belem Para
TRAGACANTH GUM—8 bgs, M N Hakkak & Co, London
59 cs, V Simidian, Beirut
TUNG OIL—963 dms, Pacific Vegetable Oil, Vancouver
942 dms, Oceanic Enterprises Inc, Vancouver
260 dms, Onyx Resins Inc, Vancouver
240 dms, Onyx Oils & Resins, Taku Bar
ULTRAMARINE BLUE—240 dms, Intermaritime Forwarding Co, Rotterdam
50 bbls, Fezandie & Sperrle, Rotterdam
UREA—600 bgs, American Cyanamid Co, Liverpool
VALONEA CUPS—5,450 bgs, Barkey Importing Co, Izmir
VANILLA BEANS—23 cs, Dodge & Olcott, Marseille
73 cs, M Cortizas, Marseille
128 cs, George Uhe & Co, Marseille
VEGETABLE COLOR, BLACK—663 bgs, Smith Color & Chemical Co, Antwerp
RESIN—177 cs, Belem Para
WHITING—500 bgs, Davies Turner, London
300 bgs, H J Baker & Bros, Liverpool
300 bgs, H J Baker, Liverpool
WOOL GREASE—50 dms, Phoenix Oil Co, Bremen
135 dms, N I Malmstrom, Bremen
100 dms, Hummel Chemical Co, Antwerp
200 dms, S Fries Co, Bremen
109 dms, Lanatex Inc, Bremen
133 dms, N I Malmstrom, Bremen
135 dms, S J Gavin, Bremen
150 dms, N I Malmstrom, Manchester
101 dms, N I Malmstrom, Liverpool
WAX—19 dms, N I Malmstrom, Liverpool
ZINC OXIDE—1,000 bgs, Public National Bank, Marseilles
466 bgs, Bluefries N Y, Hamburg
ZIRCON CRYSTALS—199 cs, Fabrikant Industrial Corp, Nagoya

Baltimore

ARSENIC—70 dms, General Chemical Co, Gothenburg
CHESTNUT EXTRACT—999 bgs, Barkey Importing Co, Genoa
CHROME ORE—7,837 tons, Chase National Bank, Lourenco Marques
FERRO SELENIUM—10 dms, J S Connor, Liverpool
GLUESTOCK—194 bls, Marine Midland Trust Co, Buenos Aires
IRON OXIDE—220 bgs, Mineral Pigments Corp, Rotterdam
KYANITE ORE—998 tons, Associated Metal & Minerals, Calcutta
PEATMOSS—25 bls, Brussels Corp, Bremen
QUEBRACHO EXTRACT—3,797 bgs, River Plate Import & Export Co, Buenos Aires
839 bgs, Carl M Loeb Rhoades, Buenos Aires
571 bgs, American Cyanamid Co, Liverpool
TAPIOCA FLOUR—900 bgs, Geismar & Co, Itajai
268 bgs, Balfour Guthrie, Tandjong Priok

Boston

BONE, CRUSHED—1,050 bgs, E J Lang, Buenos Aires
CASEIN—200 bgs, Eugenio Lang, Buenos Aires
300 bgs, Borden Co, Buenos Aires
900 bgs, Paul A Dunkel, Buenos Aires
CAUSTIC SODA—37 dms, Leviant & Co, Rotterdam
COTTON LINTERS—212 bls, C Kutz, Cabedello
CRESYLIC ACID—51 dms, Charles Page, Manchester
33 dms, Charles Page, Rotterdam
GLUE—113 bgs, Consolidated Chemical Industries, Buenos Aires
BONE—400 bgs, Transatlantic Animal By-Products, Rotterdam
STOCK—556 bls, John Govers Co, Rio de Janeiro
154 bls, H Meyer & Co, Rotterdam
126 bgs, Train Smith Co, Liverpool
HOOF & HORN MEAL—456 bgs, Armour & Co, Buenos Aires
456 bgs, Armour & Co, Buenos Aires
PEATMOSS—500 bls, Atkins Durbrow, Bremen
POPPYSEED—100 bgs, Boston Brokerage Co, Rotterdam
QUEBRACHO EXTRACT—1,694 bgs, River Plate Import Export, Buenos Aires
8,371 bgs, American Tanners Ltd, Buenos Aires
836 bgs, First National of Chicago, Buenos Aires
647 bgs, Carl M Loeb Rhoades, Buenos Aires
SEEDLAC—134 bgs, Parks Co, Bangkok
SHELLAC—23 cs, F H Paul & Stein, Rotterdam
TAPIOCA FLOUR—1,605 bgs, Balfour Guthrie, Tandjong Priok
6,500 bgs, Geismar & Co, Rio de Janeiro
2,800 bgs, Geismar & Co, Itajai
267 bgs, Balfour Guthrie, Tandjong Priok
WHITING—400 bgs, N H Weitzner, Antwerp
WOOL GREASE—10 bbls, L M Crane, Manchester

Camden

BONE, CRUSHED—3,194 bgs, Elbert & Co, Buenos Aires
CASEIN—1,000 bgs, East Asiatic Co, Buenos Aires

—*Continued on page 58*

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Botanical Drugs, Spices, Gums

Business activities in the botanical drugs and spices market continued to be rather mild, with most trading centering around the items for the preparation of drugs used during the cold months, such as cough drops and syrups. Spices and flavoring seeds and herbs were generally quiet and there was a tendency toward price shading. This was in evidence in the markets for anise, cardamom and poppy seeds, and also in some varieties of mace, nutmeg, sage leaves and cinnamon. Difficulty of obtaining suitable replacements of aletris, buckthorn and cascara sagrada barks, as well as cubeb berries, henbane and uva ursi leaves and copaiba balsam has resulted in firmer spot quotations for all. Dutch mustard seed, helonias and pink root were also stronger. The various advances resulted in a rise of 2.6 points in the price index which then became 215.9.

In a paper read to the annual general meeting of the Pharmaceutical Society of Ireland in Dublin last month, Christopher O'Connor stated that the cultivation of herbs was almost a lost art in that country and that many plants which grow wild there could be cultivated for medicinal use. These included aconite, agramony, foxglove, lavender, marsh mallow, valerian, yarrow and sphagnum. He also stated that other non-indigenous plants could probably be grown, if introduced. It has been reported that belladonna was presently being cultivated in Ireland.

Balsams

Copaiba—Increased cost of basic material has forced an advance in the price of this balsam. There were a few offers as low as 85c. per pound, but most held above $1 and as high as $1.15 per pound. It has also been reported that there have been no recent offerings from the source.

Barks

Buckthorn—With replacement costs up, this article was advanced 2c. per pound on spot. True was quoted at 14c. to 16c. per pound, while cut and sifted material moved to 20c. to 22c. a pound.

Cascara Sagrada—There was an advance of 6c. per pound in the price of this material. It was offered at 36c. to 38c. per pound, and saw a normal amount of interest on the part of users.

Dogwood—Import prices having risen, quotations on the spot market were necessarily advanced. The bark could be purchased at 11c. to 13c. per pound.

Beans

Vanilla—Vanilla bean business has been relatively inactive in the States during the past few months, principally due to alleged large available spot stocks. A survey disclosed that these stocks were considerably less than generally credited, according to handlers. As a matter of fact, according to one observer, practically all vanilla dealers would be buyers today, if there were any activity. So far the countries of origin have maintained their previous prices. The beans are now selling in the States at practically the same prices or lower than can be bought at the origin. Many dealers were not selling at some of the low prices quoted and prefer to hold on to the stocks they have, believing that by holding on to the limited holdings, they would soon show a better return than can be gotten now. There was a general feeling among dealers that from here on prices could move only one way, namely upward.

Imports Detained by FDA

Week Ended October 20

New York

Cassia, 962 bales: filthy.
Cassia oil, 10 drums: filthy.
Celery seed, 76 bags: filthy.
Chillies, 361 bags: filthy.
Codliver oil, 21 drums: deficient in vitamin D.
Coriander seed, 976 bags: filthy.
Hair dye, 3 cases: claims and short volume.
Karaya gum, 384 bags: filthy.
Laurel leaves, 76 bales: filthy.
Marjoram, 50 bags: filthy.
Medicinal preparations, 2,300 boxes and tins: new drug, claims and labeling.
Mineral water, 150 cases: claims.
Nutmegs, 200 bags: filthy.
Oregano, 114 bags: filthy.
Black pepper, 200 bags: light berries.
Rhubarb root, 40 cases: filthy.
Sage leaves, 488 bags and cases: stems and non-official sages.
Sesame seed, 612 bags: filthy.

Market Trends

Prices Advanced

Aletris root, 25c. per lb.
Blackberry root, 2c. per lb.
Buckthorn bark, true and cut, 2c. per lb.
Cascara sagrada, 6c. per lb.
Cassia, Batavia, longstick, 1c. per lb.
Condurango bark, 2c. per lb.
Copaiba balsam, 10c. per lb.
Cubeb berries, XX, NF, 20c. per lb.
powdered, 20c. per lb.
Cumin seed, Iranian, ½c. per lb.
Dogwood bark, 2c. per lb.
Helonias root, 20c. per lb.
Henbane leaves, 1c. per lb.
Marjoram, French, 2c. per lb.
Mustard seed, Dutch, yellow, 1c. per lb.
Pepper, black, spot, 2c. per lb.
Pink root, 20c. per lb.
Uva ursi leaves, 2c. per lb.

Prices Reduced

Anise seed, Chinese star, 1c. per lb.
Mexican, ½c. per lb.
Calabar bean, 17c. per lb.
Cardamom seed, green, alleppey, 5c. per lb.
Cassia, Honan, rolls, ½c. per lb.
Saigon, medium and broken, 1c. per lb.
Celery seed, Indian, 1c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
Clove, Madagascar, ½c. per lb.
Coriander seed, Moroccan, 1c. per lb.
Laurel leaves, Portuguese, 1c. per lb.
Mace, Siauw, No. 1, 5c. per lb.
Nutmeg, West Indian, 2c. per lb.
Pepper, red, Hontaka, 4c. per lb.
Nigerian, 1c. per lb.
Turkish, 2c. per lb.
white, November delivery, 5c. per lb.
Poppy seed, Argentine, ½c. per lb.
Dutch, ½c. per lb.
Sage leaves, Syrian, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
215.9	213.3	212.3	193.6	185.8

(For Current Prices see Page 9)

Berries

Cubeb—Resulting from the disturbed political condition of the East Indies, importers were unable to obtain offers of this item on a guaranteed quality basis. Thus, buying from the origin has been limited making for a rather tight spot market. Spot prices were sharply higher. NF berries were priced at 55c. to 60c. per pound and powdered material could be bought at 65c. to 70c. per pound. This was an increase of about 20c. a pound over previous quotations.

Sloe—Good quality berries were higher in price at 24c. to 28c. a pound. According to dealers, it was possible that some material which was many years old could be had at lower prices.

Gums

Karaya—Supplies were found to be in good condition on the spot market and observers stated that the market was showing a tendency toward dropping. No. 1 grade gum was offered at 55c. to 56c. a pound. No. 2 could be had at 49c. to 50c. and No. 3 was priced at 44c. to 45c. a pound. Last week, shipments totalling 384 bags of this gum were detained by the Food and Drug Administration.

Sandarac—Spot stocks being virtually depleted, dealers have withdrawn prices from the market. Importers did not expect to get any replacement material since there was no crop gathered this year. This situation had its basis back in 1949. At that time producers prepared only what they thought they could sell. Heavier orders came in when Germany, Austria and France received ECA funds for purchases and producers rushed to increase their stocks to the detriment of the trees. As a result the Moroccan government did not allow any gathering in 1950 and it was expected that no crop would be gathered in 1951. Thus, there will probably be no market in this item for some time to come.

Herbs and Leaves

Henbane—One dealer placed this material 1c. per pound above the previous quotation at 27c., while, in other quarters, it was priced still higher at 27c. to 35c. a pound. Material was not too plentiful and replacement costs were higher.

Laurel—The sole price change was a decline of 1c. per pound in the price of Portuguese material to 10c. to 11c. a pound. Other varieties held firm. Good quality leaves were reportedly hard to come by and a shipment of 76 bales was detained during the past week by the Food and Drug Administration.

Marjoram—Some French herb has arrived at slightly higher prices ranging from 44c. to 44½c. per pound. Peruvian material was unchanged at 32c. to 34c. a pound. Bohemian and Chilean material was also steady at unchanged prices. The Food and Drug Administration detained 50 bags which were found to be filthy.

Uva Ursi—Suppliers were not inclined

For Late Market Developments, See Page 4

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to sell this article below 10c. to 12c. a pound. Replacements were said to be offered at strong prices.

Roots

Aletris—This item has become exceedingly strong and last week advanced 25c. per pound. There were no offers below $1.75 per pound and others ranged as high as $1.90.

Blackberry—Au advance was noted in the spot quotations of this article, which could be bought at 12c. to 15c. a pound.

Helonias—Prices were some 20c. per pound higher last week, with quotations ranging from a low offer of $1.85 to $2.10 a pound. Supplies were rather limited and demand fair.

Pink—This root was 20c. per pound higher than previously. It was quoted by various handlers from $1.75 to $1.90 a pound and was fairly limited as to supply.

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Seeds

Anise—Spot prices on Chinese star seed has been shaded a trifle and the material could be had at 23c. to 24c. a pound. Mexican seed was similarly lower by ½c. a pound at 16½c. to 17c. Turkish and Czechoslovakian material remained steady at 15½c. to 16c. a pound.

Mustard — Good quality material has been reported to be tightening and spot material was rather small in quantity. Dutch yellow seed moved up to 15c. to 15½c. a pound and was priced at 14c. for November shipment.

Poppy—Some shading was in evidence in the market of this item. Argentinian seed declined ½c. per pound to a range of 16c. to 16½c. a pound. Dutch material was also lower at 18½c. to 19c. on spot with a shipment afloat at 17½c. to 18c. per pound.

Spices

Cassia—Batavia spice was firmest last week, with longstick spice advancing 1c. per pound to be offered at 25c. to 26c. a pound. The material was said to be equally firm at the source. There have been numerous arrivals from Chinese sources resulting from the buying of a few months ago. These stocks have helped to ease prices on the spot market. Canton selected rolls were ½c. cheaper at 13½c. to 14c. per pound. Honan scraped rolls were priced at 15½c. to 16c. broken rolls at 15c. to 15½cc., unscraped at 14c. to 15c. and broken unscraped at 14c. to 15c. a pound. Saigon medium spice could be had at 40c. to 41c. per pound and there was a report that October to November shipments would be priced at 35c. Broken spice of that origin was lower at 33c. to 34c. and a shipment afloat was quoted at 30c. a pound. Observers believed that shipments were likely to decrease in the next few weeks and that prices might then become stabilized.

Cinnamon—Spot quotations for Ceylon, No. 2 spice dropped 2c. per pound last week to stand at 32c. to 33c. per pound. Replacements have been arriving very slowly as a result of the difficulty of producers to get enough labor at the origin to keep the production up.

Mace—Siauw No. 1 spice became easier last week, dropping 5c. per pound to be quoted at $1.45 to $1.50 per pound. Whole West Indian spice remained unchanged at $1.45 to $1.50 on spot, while November to December shipments were quoted at $1.35. Broken spice of that origin for December delivery was quoted at $1.30 to $1.35 a pound.

Nutmeg — East Indian material remained unchanged on the spot market at 70c. to 70½c. per pound. Some spice afloat was quoted at somewhat lower prices of 65c. to 66c. a pound. West Indian spice was easier by 2c. a pound on the spot market at 48c. to 49c.

Paprika—There has been a fairly good interest in the spot material and a great deal of the better quality spice has been sold. Prices held firm last week with Chilean material selling at 29½c. to 30c. per pound, Portuguese at 39c. to 40c. and Spanish at 42c. to 45c. a pound. According to dealers, import prices on new crop material has been quite firm and there

—*Continued on page 60*

Imports at U.S. Ports

—*Continued from page 53*

Houston

CINNAMON QUILLS—25 bls, Volkart Bros, Colombo

New Orleans

CINNAMON QUILLS—100 bls, Carr Bros, Colombo
PEATMOSS—200 bls, Premier Peatmoss Corp, Copenhagen
SHELLAC—700 bgs, H C Smith, Calcutta
SEEDLAC—340 bgs, MacLac Co, Bangkok
800 bgs, Harry C Smith, Bangkok
200 bgs, H C Smith, Calcutta
1,000 bgs, Ralli Bros, Calcutta
TALC—960 bgs, Whittaker, Clark & Daniels, Bombay

Norfolk

COCOA EXPELLER CAKE—2,200 bgs, Monsanto Chemical Co, Salvador
RESIDUE—1,600 bgs, Monsanto Chemical Co, Liverpool
FERTILIZER—505 bls, Woodward & Dickerson, Bremen
COCOA SHELL—720 bgs, Woodward & Dickerson, Liverpool
MICA—10 cs, Asheville Mica Co, Madras
233 cs, Asheville Mica Co, Calcutta
40 cs, Asheville Schoonmaker, Rio de Janeiro
QUEBRACHO EXTRACT—1,077 bgs, Carl M Loeb Rhoades, Buenos Aires
1,647 bgs, First National of Chicago, Buenos Aires
TAPIOCA FLOUR—4,200 bgs, Stein Hall, Santos

Philadelphia

ALUMINUM—348 pcs, Learner Co, Kobe
21,882 ingots, Frema Co, Rouen
AMMONIUM BICARBONATE — 50 bbls, Charles Kurz Co, Antwerp
ANTIMONY OXIDE—400 bgs, Harshaw Chemical Co, Liverpool
100 dms, Antwerp
BAUXITE ORE—2,997 tons, Allied Chemical & Dye Corp, Paramaribo
BONE CRUSHED—3,194 bgs, Elbert & Co, Buenos Aires
CALCINED MAGNESITE—1,948 bgs, Philip Carey Mfg. Co, Rotterdam
CASEIN—1,000 bgs, Crawford Co, Buenos Aires
500 bgs, E Lang Co, Buenos Aires
1,000 bgs, East Asiatic Co, Buenos Aires
CHEMICALS—220 dms, Bergstrom Trading Co, Gothenburg
CRESYLIC ACID—48 dms, London
DYESTUFFS—1 dm, Gem Products, Bremen
GAS PURIFYING MATERIAL—386,006 lbs, Central Hanover Bank & Trust Co, Rotterdam
GLUESTOCK—69 bls, National City Bank, Buenos Aires
GLYCERIN—39 dms, Irving M Sobin, Antwerp
GYPSUM, CRUDE—15,742 tons, U S Gypsum Co, Hantsport
FLUORSPAR — 260 tons, Continental Ore Co, Genoa
LEAD—28,611 ingots, American Smelting & Refining Co, Tampico
LICORICE ROOT—6,850 bls, Guaranty Trust Co, Leningrad
LIVERMEAL—669 bgs, Buenos Aires
MANGANESE ORE—742 bgs, F B Vandegrift Co, London
PEATMOSS—400 bls, Premier Peatmoss Co, Copenhagen
200 bls, Carl Gastmeyer Co, Rotterdam
1,540 bls, Premier Peatmoss Co, Bremen
700 bls, Dunwoody Co, Hamburg
850 bls, Keer Maver Co, Bremen
PETROLEUM, CRUDE—353,272 bbls, Sinclair Ref, Tuxpam
170,082 bbls, Sinclair Ref, Puerto La Cruz
113,816 bbls, Sinclair Ref, Amuay
136,431 bbls, Atlantic Refinery, Puerto La Cruz
101,712 bbls, Atlantic Refinery, Las Piedras
255,439 bbls, Atlantic Refinery, Pamatacual
113,360 bbls California Refining Co, Ras Tanura
388,554 bbls, Socony Vacuum Oil, Mena Al Ahmadi
122,098 bbls, Socony Vacuum Oil, Covenas
471,825 bbls, Gulf Oil Corp, Puerto La Cruz
109,327 bbls, Gulf Oil Corp, Las Piedras
SODA ASH—650 bgs, Rotterdam
TAPIOCA FLOUR—3,334 bgs, Perkins Glue Co, Imbituba
QUEBRACHO EXTRACT—836 bgs, First National of Chicago, Buenos Aires
UREA—300 bgs, L D Peters & Sons, Rotterdam
ZIRCONIUM OXIDE—6 bbls, Foote Mineral Co, Antwerp

San Francisco

AMMONIUM BICARBONATE—178 dms, Chemical Manufacturing Co, Manchester
CHLORIDE—300 bgs, Chemical Manufacturing Co, Liverpool
BLEACHING POWDER—25 dms, Chemical Manufacturing Co, Manchester
CALCIUM NITRATE—28,200 bgs, Wilson & G Meyer Co, Oslo
CODLIVER OIL—6 ctns, Ross Bros Drug Co, Heroya
COPRA—300 tons, El Dorado Oil Works, Quinabigan
600 tons, El Dorado Oil Works, Maubin
1,000 tons, El Dorado Oil Works, Hondagua
361 tons, Alkins Kroll Co, Pago Pago
CAKE—172 bgs, Manzanillo
EGG YOLK—112 cs, I Gross Co, Taku Bar
FIJI TONG BARK—25 bgs, Atkins Kroll & Co, Brisbane
GALENA ORE—962 bgs, Base Metals Corp, Manila
GLYCERIN — 60 dms, Colgate Palmolive Peet, Sydney
ORE CONCENTRATES—250 dms, American Smelting & Refining Co, Manila
PEPPER, BLACK—684 bgs, Djakarta
PERCHLORETHYLENE—20 dms, Chemical Manufacturing Co, Manchester
POLYEMERIZED PLASTIC—3 cs, Simplex Mfg Co, Manchester
SESAME CAKE & MEAL—13,385 bgs, Manzanillo
SEED—1,792 bgs, Pacific Vegetable Oil, Taku Bar
448 bgs, Pacific Vegetable Oil, Taku Bar
SHARKLIVER OIL—40 dms, Consumers Import Co, Yokohama
SODIUM BICHROMATE—399 dms, F H Lenway Co, Sydney
TUNG OIL—954 dms, Vongher Low China, Taku Bar
1,040 dms, Pacific Vegetable Oil Co, Tsingtao
ZIRCON SAND—400 bgs, Ferro Enamel Co, Brisbane

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Essential Oils, Other Aromatics

Fluctuations of prices in the essential oils and aromatic chemicals market resulted in a number of advances last week. For the most part, these rises were not large and reflected the supply situation on the spot market. Eucalyptus oil grew somewhat firmer and caused an advance in the price of the derivative, eucalyptol. Apricot kernel oil has become extremely tight and high-priced. Bergamot oil continued to show great strength and bois de rose oil became firmer. Mace and nutmeg oils from the East Indies also moved higher, as did the South American petitgrain oil. Small advances were made in the prices of California lemon, Florida orange, rosemary and pimento berry oils. Wormseed oil prices were slightly more favorable and palmarosa oil was similarly lower in price. After a decline the previous week, the price index moved up by 1.8 points to 199.6.

Apricot kernel oil has suddenly become extremely tight. Dealers stated that the West Coast sources reported a shortage of kernels available for the preparation of oil. While most of the lavender flower oils remained steady at the high prices that have prevailed for a long while, the most widely used 30-32 percent grade became more expensive. It had been rather low in comparison to the other grades and the rise not surprising.

Italian bergamot oil continued to present a grave supply problem. There have been few offers from the source and the new crop which was awaited within the next few months was not expected to ease the situation very much. Domestic citrous oils were steadily strong with minimum prices of California lemon and Florida orange oils moving up a bit.

Eucalyptus oil gained a good deal of strength and most offers were higher than they have been for the past year. Eucalyptol was necessarily advanced because of the high price and tightness of this oil.

Market Trends

Prices Advanced

Apricot kernel oil, 1c. per lb.
Bay oil, Puerto Rican, 50-55%, 10c. per lb.
55-60% 10c. per lb.
Bergamot oil, artificial, 35c. per lb.
natural, Italian, 25c. per lb.
Bois de rose oil, 10c. per lb.
Eucalyptol, 15c. per lb.
Eucalyptus oil, 70-80%, 4c. per lb.
Lavender flower oil, 30-32%, 25c. per lb.
Lemon oil, California, 5c. per lb.
Lime oil, distilled, West Indian, 25c. per lb.
Mace oil, 10c. per lb.
Nutmeg oil, East Indian, 5c. per lb.
Ocotea cymbarum oil, 5c. per lb.
Orange oil, expressed, Florida, 10c. per lb.
Petitgrain oil, 75c. per lb.
Pimento berry oil, 10c. per lb.
Rosemary oil, USP, 10c. per lb.
Spearmint oil, 25c. per lb.

Prices Reduced

Palmarosa oil, 35c. per lb.
Vetiver oil, Haitian, $1 per lb.
Wormseed oil, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
199.6	197.8	189.9	102.8	101.9

(For Current Prices see Page 9)

Essential Oils

Apricot Kernel—While the minimum offer advanced only 1c. per pound to stand at 45c., the market, in general, saw a much steeper rise, with prices up to 65c. a pound. The oil has become suddenly scarce, manufacturers reporting difficulty in obtaining enough kernels to produce sufficient oil. Prices for shipment from the West Coast were said to be higher than the minimum offer on spot. This situation was expected to increase the demand for sweet almond oil, which was now approximately the same price.

Bay—Puerto Rican material jumped noticeably higher last week, indicating an ever-strengthening market. The 50-55 percent grade oil was up 10c. per pound to $1.45 to $1.55 a pound, while the 55-60 percent oil advanced to prices ranging from $1.50 to $1.60 a pound. Oil of West Indian origin continued unchanged at the prices arrived at the previous week, ranging from $1.25 to $1.65 a pound. All varieties were firm.

Bergamot—With the withdrawal of the lone low offer, the prices of natural Italian oil advanced by 25c. a pound to stand at $6.50 to $8 a pound. There have been very few offers from the source during the past few months and spot stocks were extremely limited. Dealers were awaiting prices for new material from the origin. Artificial oil was increased in price in some quarters and could be had at $4.10 to $5.25 a pound.

Bois de Rose—Spot stocks have become quite scarce making for a rather tight supply situation. Prices were somewhat stronger at $3.80 to $4.15 a pound and dealers expressed the opinion that they might go still higher. According to one dealer, new shipments were not going to be made before December or January.

Caraway—There was reportedly a fair supply of this oil on spot at the unchanged prices of $3.65 to $4.50 per pound. The market has been rather inactive, and suppliers found that they could meet all inquiries.

Cedarleaf—This material continued to exhibit strength. In some quarters it has advanced again, while others have maintained unchanged prices. It could be had at $2.50 to $3 a pound. According to the trade, there were possibilities of further advances.

Cinnamon—Leaf oil continued to be reasonably available at prices ranging from $1.30 to $1.50 per pound. However, there has been a report that replacement costs were moving higher at the origin. Bark oil was quite quiet at stable high prices. Little trading has been done in this oil.

Clove—This market has apparently reached a state of equilibrium after a period of much fluctuation. It remained at the prices of $2.05 to $2.45 per pound, the level arrived at several weeks ago. Shipments were said to be fairly good and supplies on spot were in a better position than they had been. There was a steady and active demand for the material.

Eucalyptus—Oil of both grades grew much firmer last week and most dealers advanced prices about 5c. per pound. The range of prices for 70-80 percent material stood at 78c. to 90c. per pound, but there was little to be had below 80c. a pound. The rectified 80-90 percent oil was priced from 85c. to $1.10 per pound. Although one observer stated that the oil generally becomes more expensive at this time of year, the strength was in large part due to advances in shipping prices and limited supplies at the origin. Information issued by the Brazilian Ministry of Agriculture indicated that the state of Sao Paulo in that country produced 16,320 kilos of this oil during 1949. This was a considerable increase over the production during 1948, which totaled 3,335 kilos. Sao Paulo is the only state in Brazil that is producing this material at present. In 1947, the state of Rio Grande do Sul produced 510 kilos, but now offers none.

Grapefruit—According to a preliminary report circulated by the Department of Agriculture, the hurricane which occurred last week in Florida destroyed an estimated 1,500,000 to 2,000,000 boxes of grapefruit. A forecast of the total production prepared before the storm indicated that Florida would have a yield of 32,500,000 boxes of this fruit. According to observers, the damage to the crop was not cause for alarm over the oil situation. The material was fairly available at unchanged prices of 90c. to $1.75 a pound.

Lavandin—Spot prices were unchanged ranging from $2.55 to $3.25 per pound. However, dealers reported shipping prices to be on the rise with fewer replacements being sent. According to one observer, the material was cheaper on spot than in France. For the present, supplies were said to be plentiful, but the future may bring less favorable conditions.

Lavender—The 30-32 percent grade oil moved higher by 25c. a pound to prices ranging from $3.25 to $4 per pound. All other grades remained unchanged, the 38-40 percent item offered at $4.75 to $5.75 a pound and the 40-42 percent material at $5.50 to $6.25 a pound. All grades were strong and rather high in price and replacement costs were reported to be moving steadily higher.

Lemon—California oil has grown exceedingly scarce. With prices ranging from $4 to $4.25 per pound, according to producer, dealers reported the necessity of selling the oil in limited quantities to consumers in order to spread available material as widely as possible. Messina oil has been coming to market in very small quantities and at high prices. There continued to be one low offer of $3.50 per pound, but the material was more generally priced from $4 to $8 a pound. Demand was quite lively, and much more could be sold than was available.

Lime—Following a slight decline which occurred several weeks ago, this oil has steadied and was offered at prices ranging from $5.75 to $7 per pound for the dis-

For Late Market Developments, See Page 4

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tilled Mexican variety, from $6.50 to $7.25 per pound for distilled material from the West Indies, and from $7.25 to $13.50 per pound for expressed oil from the same source. The season of heavy consumption ended with the end of summer and the demand has been rather light. However, dealers felt that the prices had not dropped as much as might be expected at this time of year.

Mace—Difficulty of getting sufficient shipping space added to the unrest in the East Indies and Far East have contributed to the advance in the price of this oil. It was quite firm on the spot market with prices of $3.75 to $4.90 per pound being asked. This was a rise of 10c. per pound over the previous offers.

Olibanum—This material was offered by only a few firms at steady prices ranging from $5.25 to $7.67 a pound. Extra fine grade oil could be found in very small amounts at $8 a pound. Small interest in either grade was noted.

Orange—All varieties were firm and were reportedly held strongly at the origins. California oil continued to be offered at $1.25 to $1.75 a pound, depending upon brand. Florida oil gained new price strength, advancing 10c. a pound at the low end of the range. It was offered at $1.10 to $1.50 per pound. The hurricane which occurred on October 17 and 18 was reported to have damaged an estimated 1,000,000 boxes of oranges. The loss in some areas was believed to be from 5 to 10 percent of the crop. Production forecasts on October 1 indicated a crop of 62,500,000 boxes of oranges in Florida. This, of course, was before the storm. Italian oil could be had in small amounts at the firm prices of $3.50 to $5.50 a pound.

Palmarosa—In some quarters this oil was offered at the lower price of $7.50 per pound. Other prices continued to range up to $9.25 per pound. Supply conditions were not bad and users were buying at a steady rate.

Patchouli—There has been word of rising prices at the source, one dealer stating that Penang prices on new shipments were close to the spot prices which prevailed. As yet, the effect has not been felt in the local market, which continued at $22 to $24 a pound. Stocks were not large, but there was no indication of difficulty in meeting consumer needs.

Pimento—Berry oil continued to gain strength and last week was priced 10c. a pound higher than the previous offer. It could be had at $4.25 to $5.75 but was offered by only a few dealers. Leaf oil was somewhat more active at prices ranging from $1.50 to $1.85 a pound.

Rosemary—This material showed a surprising firmness at the origin last week and the USP grade moved 10c. a pound higher to range in price from 95c. to $1.30 per pound. Technical material remained fairly stable.

Sandalwood—Demand has been reported to be keeping up well and so far there has been a reasonably good supply of logs available to distillers. Offers at $12 per pound were still being made in some quarters, while in others they ranged as high as $14.50 a pound.

Spearmint—An increase in the minimum offer of this material brought the price range up to $4.50 to $5.50 a pound and the item was said to be extremely firm by dealers. There was not much unsold material and all signs pointed toward the continuation of the strong market with prices going possibly higher. Inquiry from users continued to be quite active.

Vetiver—No change was seen in the tight situation that has been the feature of this material for a number of months. Some Bourbon oil was reported to be arriving on the local scene from time to time, but costs remained high. Spot prices ranged from $25 to $30 a pound. Haitian oil was similarly firm, although spot quotations varied widely. One dealer placed the oil at $21 a pound, slightly lower than the previous minimum, while others quoted up to $26 a pound for the item. Oil from Java was offered by only a few dealers at prices of $22 to $26 a pound.

Wormseed—There was one new low offer last week at $6 per pound. This was 10c. lower than the previous minimum. Other suppliers continued to place their material between $6.50 and $6.75 a pound. Reports were received from the country to the effect that the crop would be shorter this year. Dealers, however, were not inclined to be alarmed by this news.

Wormwood—This oil was rather quiet during the past week. Prices ranged from $6.75 to $7.50 per pound and were firm. New crop material was still awaited.

Aromatic Chemicals

Anethol—With production virtually at a standstill, those manufacturers and distributors who had any material held it at firm prices and showed a certain reluctance to sell. All offered the material in limited quantities only.

Eucalyptol—An advance of 15c. per pound occurred in the spot price of this item last week. It was offered at $1.65 to $2.05 a pound. This rise did not come as a surprise since eucalyptus oil has been growing steadily stronger making for a higher cost of production of this derivative.

Eugenol—In keeping with the clove bud oil, which has become more stable than it was, this product was steady at prices ranging from $2.65 to $3.25 per pound. While the item may not advance, there was little hope for it to ease to the position it held several months ago.

Botanical Drugs

—Continued from page 58

was indication that prices might advance on the local market before new material arrives.

Pepper—Some varieties of red spice were offered at lower prices last week. These included Hontaka which dropped 4c. to prices ranging from 40c. to 41c. a pound, Nigerian which was offered at 31c. to 32c. and Turkish at 25c. to 26c. a pound. White pepper remained unchanged at $2.75 a pound for October delivery but was lower at $2.85 for November delivery. As to black pepper, spot prices moved slightly higher last week Stocks have grown rather abundant following the importation of large quantities during the past few months. Indian prices have declined with replacements being ordered in smaller volume. Concerning stocks at the origin, observers expressed the opinion that they were quite low, but that new crop expected within the next few months should yield larger volume because of new cultivation. They believed, however, that next year's shipments would probably remain approximately the same as those of 1949 and 1950. Indonesian crop was reported to be slightly smaller than the previous one and there was not much hope for shipments from Saigon. In addition, Ceylon has ceased shipping because of an increase in the export tax. All these factors considered, those who understand the market, were inclined to predict the total world supply during this year to be slightly lower than last.

Spot quotations on black pepper on Friday were:—spot, $1.60 to $1.62 per pound. December shipment, $1.42 per pound and January shipments $1.39 to $1.40 per pound.

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Obituaries

Walter J. Barnhart

Walter J. Barnhart, founder of Barnhart-Morrow Consolidated, who in 1910 was credited with bringing in the world's largest oil gusher, the Lakeview No. 1, died October 14 in Bakersfield, Calif.

Humphrey W. Chadbourne

Humphrey W. Chadbourne, retired president of the International Mining Corporation, New York, died October 26 in that city. He was sixty-six.

Charles W. Johnston

Charles W. Johnston, vice-president and a director of Virginia Smelting Company, West Norfolk, Va., died October 24 in New York. He was sixty-nine years of age.

Mr. Johnston began his business career in 1905 as a mining engineer. He worked in Mexico, Cuba and Montana, coming to Portsmouth, Va., to become associated with Virginia Smelting. In addition to his connection with that company, he was also a vice-president of the Portsmouth Frozen Foods Enterprise and a director of the Atlantic & Danville Railway.

Louis L. Marcell

Louis L. Marcell, founder of the White Eagle Oil Company, died October 21 in Kansas City, Kan. He was seventy-two years of age.

Mr. Marcell was one of the organizers of the Chanute (Kan.) Refining Company in 1906, which was sold ten years later to the Sinclair Refining Company. He formed the Economy Petroleum Company, Tulsa, Okla., which was later sold to the Producers & Refiners Corporation. In 1919 he organized the White Eagle Oil & Refining Company, which subsequently became the White Eagle Oil Company and then a division of Socony-Vacuum Oil Company, New York. Mr. Marcell became general manager of the division upon its incorporation into Socony-Vacuum, retiring from the post in 1943.

Cecil Smith

Cecil Smith, former president of Yardley & Co., New York, and one-time president of the Toilet Goods Association of tre United States, died October 23 in Riverside, Conn. He was sixty-six years old.

Associated with Yardley for forty years, Mr. Smith established and served as general manager of the concern's Australian organization from 1913 to 1920. He came to New York in 1921 and organized Yardley's operations in this country. He retired as president of Yardley in January, 1949.

In addition to the presidency of the Toilet Goods Association, Mr. Smith was also at one time a director of the Perfumery Importers Association and was a former president of the British Empire Chamber of Commerce in the United States of America. An amateur violinist of note, he was also an active participant in numerous musical organizations.

Mrs. Charles B. Knox, chairman of the board of the Charles B. Knox Gelatin Company, Johnstown, N. Y., died September 27 in that city. She was ninety-two. Mrs. Knox took over the business founded by her husband in 1890 upon his death in 1908. She gave up active direction of the firm recently, but continued as board chairman until her death.

Dillon A. Little, retired president of the Magnolia Petroleum Company, died October 26 in Dallas, Tex. He was sixty-three years of age. Mr. Little joined Magnolia Petroleum and Magnolia Pipe Line Company in 1914, advancing to become ultimately head of the former concern.

James Murray, superintendent and chief chemist since 1930 for the Martin Cantine Company, died October 22 at his home in Centerville, N. Y. His age was sixty-four. Prior to his association with the Cantine company, Mr. Murray was employed by the Nashua (N. H.) Paper Company, the Blackstone Coated Paper Company, of Pawtucket, R. I., and the Appleton (Wis.) Coated Paper Company.

Harry A. Stendrup, senior partner of Stendrup Oil Company, New York, died October 25 in Mineola, N. Y. He was fifty-eight. Before establishing his own company in 1936, Mr. Stendrup had been associated for sixteen years with Sinclair Oil Company, serving as a vice-president and director of several Sinclair subsidiaries.

William B. West, assistant vice-president of the Beech-Nut Packing Company, Canajoharie, N. Y., died October 21 on Little Lake near Richmond Springs, N. Y. He was forty-five years old. Mr. West, who had been with Beech-Nut for more than twenty years, was, at the time of his death, in charge of the company's gum sales.

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A heavy demand was still being felt for most items in this market during the past week. Supplies, in general, were on the tight side, but there was some easing here and there. Dicyclohexylphthalate was up 2c. a pound. Imported casein dropped ½ cent. There was no change in the weekly index.

Antimony oxide was still holding on the low side of the range, although on the high side it advanced ½ cent. Demand was at strong levels although the supply was on the tight side. Earth colors were in a good spot as far as demand was concerned and supply for most items was sufficient for the market's needs.

No great change was noted in synthetic resins, although there were indications that the frantic buying of a month or two ago was passing and that the market might be on its way back to something like normal. Still, demand was definitely on the strong side and most items were far from free. Natural resins did not show much change. Prices were firm and looked as though they would stay that way. The scare buying seemed to be over and the primary sources were reported to be in a good supply position. Shellac was steady and quiet. Demand was fluctuating a bit, but on the whole was steady. Supplies were presenting no problem.

Casein was in slow demand. Some thought domestic would move better after elections. One importer said that since the flush season was just getting under way in the Argentine and this looked like a big year, mills were holding back in the hope of obtaining lower prices. Bone and hide glue were holding and seemed to be easing up a bit on demand. Requirements of consumers were still considerable, however. Lecithin was at unchanged levels. With stearic acid steady, the stearates were without feature.

Market Trends

Prices Advanced

Dicyclohexylphthalate, 2c. per lb.

Prices Reduced

Casein, imported, acid-precip., ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
206.6	206.6	206.6	196.4	201.7

(*For Current Prices see Page 9*)

Prime Pigments

Aluminum Paste, Powder—Prices during the week were holding at their previously noted levels and there were no indications of any changes in immediate prospect. Demand was continuing at a high level and one producer reported it was running at capacity with three shifts going in an effort to stay abreast of the market. It was necessary, this source said, to allocate orders but it was managing to keep its customers going, although it was not able to take on any new customers.

Antimony Oxide—The low side of the price range was without change during the past week although there were advances on the high side. The low was still 27½c. in carloads and 28½c. in less than carloads. The high advanced ½c. to 30c. in carloads and 31c. in less than carloads. Demand was still strong while the supply held on the tight side.

Earth Colors—Demand continued to hold at very good levels during the period under review and there were no signs that there would be any considerable change in this trend. The supply for most items was in a good position. Prices were holding to a fairly firm position and the reports were that there were no indications of any revisions for the immediate future.

Lead Pigments—The market for pig lead remained in a strong price position during the past week but there were no revisions announced and in the absence of these there were no changes in the listings of the pigments. Demand for the latter was still going along at a good rate.

Zinc Pigments—No changes were announced last week for these materials. The metal was in an unchanged price position and therefore the pigments remained quiet. The demand was still very heavy and there were no suggestions of any immediate let-up. Supply was said to be high enough to just keep up with the volume of business, but it was no greater than that.

Synthetic Resins

The demand for synthetics was still strong but it was said that it was not quite so frantic as it was a month or two back. Most consumers were still buying, or attempting to buy, large amounts of material, but here and there were some signs that they were beginning to catch up on their needs and that the general tone of buying might return to something like normal. One producer, making a telephone survey of the wants of customers in the entire country, said, however, that it found most areas still wanted more than the company could produce. Prices were still strong and there were indications that there might be some slight upward lifting as a result of the high raw materials costs.

Imports of polystyrene into India will be facilitated by recent government action. It has been announced that licenses will be granted for the importation of this material from dollar and hard-currency areas as well as from soft-currency countries.

Natural Resins

The market for gums continued in a fairly active position during the week and there were no signs of any immediate falling off due. The scare buying seemed to be definitely over, but there was still a reasonably good demand and it was said to represent purchases for business in hand rather than for inventory building. Supplies were still at a sufficiently high level to accommodate the needs of consumers, and deliveries could be made promptly. Supplies at the primary markets were reported to be in good shape and there was no great difficulty being encountered there in obtaining most items. Prices at the sources were holding up and there seemed to be no signs of any declines at this time.

Shellac—The market was in a generally steady and quiet position last week, as it had been for several weeks past. The demand was running along at reasonably good levels but showed nothing of the sudden strength that developed after the outbreak of the Korean hostilities. On the whole, it was having its ups and downs from day to day, but the average held up to fairly good levels. Supplies on hand were sufficient to satisfy the usual needs of consumers. The India market was reported to be in a fairly steady position, although it, too, was showing some minor fluctuations from time to time. Stocks there were not presenting a problem.

Lacquer Materials

Dicyclohexylphthalate—This item was reported up 2c. a pound during the week. The listings became 47c. in carloads and 48c. in less than carloads. Demand was reported to be running along at good levels but the supply was not increasing with the demand.

Miscellaneous Materials

Casein—Domestic material was holding to previously established price levels during the past week but imported was down ½c. The demand for domestic was reported to be slow, and had been easing up for the past several weeks. In some quarters of the trade it was thought that the

PMA to Furnish Rosin, Turpentine Market News

The first federal market news service on rosin and turpentine will be inaugurated about November 1, according to an announcement October 25 by the Production and Marketing Administration, Department of Agriculture. W. B. Woodward, market reporter for the department since 1930, will be in charge with headquarters in Savannah, Ga.

Price and other market information collected and distributed by the new office will give producers, dealers, consumers, and the trade generally, information covering transaction at Savannah, Ga.; Jacksonville and Pensacola, Fla.; Mobile, Ala.; New Orleans, La.; New York, and other points. Published reports of the service will reflect representative market prices.

For Late Market Developments, See Page 4

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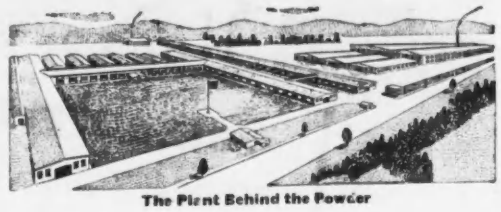

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have been keynoted at the St. Joseph Lead Company's Josephtown, Pennsylvania plant since the start of operations in 1931. The fact that this electrothermic zinc smelting installation is unique in the world is, perhaps, the best evidence of the pioneering attitude on which the plant was founded. The several expansions in production rate — which increased the daily processing capacity from 120 tons of zinc concentrate in 1931 to 600 tons per day in 1950 — and the numerous improvements in operational technique during the plant's relatively young life amply justify the abiding philosophy of technological advancement.

The Josephtown plant research group pursues a wide variety of interests of four main types: (1) technical problems arising in regular operations (trouble shooting); (2) improved equipment design and operating methods; (3) development of new equipment, methods and operations; and (4) raising efficiency and lowering costs of existing operations.

An analytical group occupying their own building perform some 75,000 assays annually and are equipped with devices such as the polarograph, pH meter, and colorimeters. A fellowship at the University of Pittsburgh provides access to spectrographic equipment.

The rubber and electronic groups are thoroughly equipped for the compounding, curing, and testing of rubber elastomers. In addition to the standard equipment, their facilities include constant temperature and humidity control, a laboratory Banbury mixer, a Mooney viscosimeter and a flexometer of St. Joe design. Electronic testing devices include oscilloscope, vacuum-tube voltmeters, signal generator, and equipment for dielectric constant, power factor, and d-c resistivity measurements. Electron microscope pigment studies have also been provided for.

Paint and varnish testing equipment, indoor and outdoor accelerated aging equipment, and apparatus for evaluating pigment bodying and hiding properties are employed by the paint group.

A ceramic laboratory is maintained for the evaluation of St. Joe Zinc Oxides in various products of the glass, glaze and pottery industries.

Excellent photomicrographic equipment, turbidimeters, cameras, etc., for work with other pigments or metals are operated by the microscopic and photographic group.

A general physical group is concerned with the quality control of pigments for such properties as particle size, activity, color, tinting strength and oil absorption, and continuously samples each shift's production for this purpose. Special equipment incident to this type of testing is provided.

Finally, a Pigment Development group is engaged in research on new and improved types of St. Joe Zinc Oxide for the various consuming industries.

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PLANT AND LABORATORY: JOSEPHTOWN, BEAVER COUNTY, PENNSYLVANIA

demand would show a pickup after election. Then, too, consumers had bought heavily when the Korean situation erupted and were probably holding considerable inventories at this time. Supplies were at a sufficiently high level to accommodate the needs of the market without any difficulty.

The demand for imported was not great either. The large consuming mills were said to be holding back in their purchases because this was the start of the heavy producing season in the Argentine. The indications there were that there would be a large production this year and the heavy users were thought to be waiting for a drop in prices. Some had overbought with the beginning of the Korean hostilities and were long on inventory. It was reported that some users had sufficient supplies on hand to hold them into January and February. Supplies were presenting no problem.

Glue—Prices of both bone and hide glue were holding at their previously noted levels during the past week and there were no indications that there were any revisions imminent. Demand for bone glue was said to have eased off a bit recently but was still holding at good levels. One producer said that it was no longer as tight as it had been on some grades. It no longer had large backlogs of orders waiting to be filled. Its supply was sufficiently high to keep up with the current demand, although not high enough to permit the building of any inventories. Hide glue was also said to be easier on demand, although one producer stated that it had plenty of orders booked for the rest of the year. Its supply was strong enough to keep the trade supplied but was not great enough to account for any surpluses.

Lecithin—Demand for this material was holding to about previously noted levels during the past week and the price listings were maintained. The edible, technical, bleached, was going for 16½c. in carloads and 17½c. in less than carloads, while the price for the unbleached was 15½c. in carloads and 16½c. in less than carloads.

Stearates—The market for stearic acid was steady last week and prices on the stearates were holding at their previously noted levels. The demand was holding up to levels that were generally considered to be normal while the supply was sufficiently high to accommodate the ordinary demands of the market.

Naval Stores

The United Kingdom's imports of rosin in the first quarter of 1950 totaled 416,116 hundredweight, valued at 1,276,016 pounds. Portugal was the principal source with 192,287 hundredweight. The United States supplied 93,648 hundredweight. Imports of turpentine in the same period totaled 286,372 imperial gallons, valued at 64,763 pounds. Spain was the principal supplier with 190,466 gallons. Portugal was second. None was imported from the United States.

At the end of July, 1950, the amount of rosin booked for export from the new crop in France totaled 6,000 metric tons with Germany and Brazil as the leading purchasers. Argentina is not listed as a potential importer and is reported to have cancelled its previous orders.

Trade sources in Brazil state that stocks of rosin for future consumption are nonexistent. During most of 1950 the practice has been to import small quantities which are consumed at once, after more is allowed to be imported. Stocks are on a hand-to-mouth basis and most paper manufacturers fear they may become exhausted and the industry be jeopardized. However, it was reported that there was some relaxation of controls in the period May-July, 1950, to allow imports from the United States to consumers.

Pine Gum — Prices received by producers for crude pine gum delivered to processing plants during the week ended October 21 averaged $26.93 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with the average of $26.81 for the previous week.

The twenty-two reporting plants received 13,031 barrels of gum, an average of 592 barrels per plant compared with 939 barrels a week earlier. The average contents per barrel were 10.87 gallons of turpentine and 298.7 pounds of rosin. The gum was graded 34 percent WW, 18 percent WG, 20 percent N, 14 percent M and 14 percent K and below.

The record of the gum naval stores markets during the week ended October 27 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., l.c.l., ex N. Y. wrhse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.		Friday
B	$4.10	$4.10	$4.10	$4.10	$4.10	$8.00	$3.75
D	4.25	4.25	4.25	4.25	4.25	8.00	8.75
E	4.75	4.75	4.75	4.75	4.75	8.00	8.75
F	6.60	6.60	6.60	6.60	6.60	8.25	9.00
G	7.13	7.13	7.13	7.13	7.13	8.25	9.00
H	7.20	7.20	7.20	7.20	7.20	8.25	9.00
I	7.20	7.20	7.20	7.20	7.20	8.25	9.00
K	7.20	7.20	7.20	7.20	7.20	8.25	9.00
M	7.20	7.20	7.20	7.20	7.20	8.25	9 00
N	7.20	7.20	7.20	7.20	7.20	8.25	9.00
WG	7.20	7.20	7.20	7.20	7.20	8.35	9.10
WW	7.41	7.41	7.41	7.41	7.41	8.60	9.35
X	7.41	7.41	7.41	7.41	7.41	8.60	9.35
	Drums						
Sales	...	...	...	...	...		
Receipts	841	209	313	...	18		
Shipments	244	4	...	...	11,305		
Stocks	46,105	46,310	46,663	46,623	35,336		

Gum Turpentine

New York, Friday, tankcars, f.o.b	gal. (7 lbs.).	.86
ret. dms., l.c.l., ex whse	gal. (7 lbs.).	.97

	Savannah Exchange, Bulk				
	Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal	.70½	.74	.74	.74	.74
Sales, bbls	..	80	..	..	..
Receipts, bbls	2	23	52	911	134
Shipments, bbls	355	..	27	67	6,237
Stocks, bbls	18,473	18,496	18,521	19,365	13,232

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Glidden Buys More Space For Cleveland Paint Plant

Glidden Company, Cleveland, Ohio, has purchased an additional 20,000 square feet of office and warehouse space from Climax Industries, Inc., of the same city. Located across from Glidden's paint and varnish division plant in Cleveland, the new building will house additional office, shipping and warehouse facilities.

At the same time, the company announced that it has also bought the laboratory and equipment to supplement its present Cleveland laboratory facilities. Approximately 4,000 square feet of the new building will be devoted to offices. Headquarter offices of the advertising and traffic departments will be moved to the new location. Glidden expects to take occupancy in about three weeks.

Great Lakes Carbon Elects

Great Lakes Carbon Corporation, Chicago, Ill., has elected M. E. Puyans, treasurer, and Richard McAvoy, company counsel, vice-presidents of the firm in addition to their present posts.

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DuPont to Move Paint Warehouse to L. I. City

E. I. duPont de Nemours & Co., Wilmington, Del., has announced plans to move its paint warehouse from Bush Terminal, Brooklyn, N. Y., to Long Island City. Richard and Lawrence Zirinsky, owners of the property will build a one-story structure having 40,500 square feet of floor space to duPont specifications. Construction on the new warehouse is scheduled to get under way this month for completion in February, 1951. DuPont's finishes division trade sales and automotive refinish district offices, now at the Bush Terminal, will also move to the new site in Long Island City.

Phila-Wilmington Colorists Plan Meeting November 9

The Philadelphia-Wilmington Color Group will hold its next dinner meeting November 9 at 6:30 p.m. at the Alden Park Manor, Germantown, Philadelphia, Pa. Guest speaker will be George W. Ingle, of the plastics division of Monsanto Chemical Company, who will speak on "Color in Plastics."

Keystone Changes Name

The Keystone Varnish Company, Brooklyn, N. Y., will change its name to the Keystone Paint & Varnish Corporation on December 1. According to a company statement, the move is being effected to offer a more accurate description of the company's line of products.

Rinshed-Mason Assigns Hawkins to California Post

Edward S. Hawkins, chemical engineer with Rinshed-Mason Company, Detroit, has been assigned general manager of the company's recently purchased western division factory and warehouse at Anaheim, Calif. Since graduating from West Virginia University in 1935, Mr. Hawkins has been continually active in paint research, and had most recently been director of all R-M automotive finishes research at Detroit.

Irvington Varnish Names Agent

Irvington Varnish & Insulator Company, Irvington, N. J., has appointed L. V. Henderson, of Atlanta, Ga., to represent the concern in Florida, Alabama, Georgia and the major part of Tennessee.

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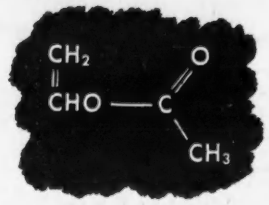

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GE Plastics Positions To Hoffer and Castles

The chemical department of General Electric Company, Pittsfield, Mass., has named Robert A. Hoffer engineering manager of its plastics division. At the same time the department announced the appointment of John T. Castles to the post of manager of its silicone plant at Waterford, N. Y.

Mr. Hoffer was formerly with E. I. duPont de Nemours & Co., Wilmington, Del., where he held positions in production and the industrial relations section. Just prior to coming with GE, he was a technical representative in the Chicago area and sales representative in the Cleveland territory. Mr. Castles joined General Electric in 1947 as a chemical engineer at the Waterford plant. Prior to his present appointment, he had been manufacturing engineer for the plant since 1949.

Paint & Varnish Exchange Hears Personnel Speaker

Scientific personnel technics developed during the last war but not now in general practice will enable the nation to make better use of its manpower in the crisis ahead, Dr. F. F. Bradshaw, president of Richardson, Bellows & Henry Company, New York personnel consultants, told a Paint & Varnish Exchange Club meeting recently.

Dr. Bradshaw stated that precision methods of selecting and classifying workers will make possible the use of older people, women, the handicapped and others not generally considered part of the manpower pool. He also predicted that emphasis being placed on discovering and developing leadership at lower organizational levels would result in more efficient workers.

Glidden Appoints Smith

The Glidden Company, Cleveland, Ohio, has appointed St. Clair M. Smith assistant treasurer. Mr. Smith was formerly staff assistant to the treasurer of the Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J. Prior to his association with Calco, he served for six years as assistant to the treasurer of the International Silver Company.

Delou Opens U. S. Office

Delou, Inc., has opened a United States office at 90 West street, New York 6. Telephone number is BArclay 7-8694-5. The office, headed by Henry N. Budd, executive sales director of Delou, will handle the exclusive sale of gums, resins and shellac in this country, Canada and South America for London principals.

Cleveland Paint Technicians Install 1950 Officer Slate

Cleveland Paint and Varnish Production Club at a recent meeting installed its new slate of officers. They are:—President, C. H. Leopold; vice-president, H. W. Dell; secretary, R. F. Hall, and treasurer, J. O. Shiffler.

Bakelite Issues Plastics Data

Bakelite Division, Union Carbide & Carbon Corporation, New York, has published a booklet entitled, "A Simplified Guide to Bakelite and Vinylite Plastics and Resins." The booklet classifies the various forms of Bakelite phenolic, styrene, polyethylene and "Vinylite" plastics and resins under fourteen major headings. It describes general characteristics and properties of each form, giving typical applications and showing examples of many of them in 128 photographic illustrations. Copies of this twenty-four-page booklet are available from Bakelite, 300 Madison avenue, New York 17.

API Groups to Meet

The standardization and standing committees of the division of production of the American Petroleum Institute will hold their midyear meeting in the Brown Palace hotel, Denver, Colo., May 28 through June 1, 1951. Scheduling of the meeting was announced by Carl A. Young, director of the production division.

Tall Oil Data Published

The Tall Oil Association has issued the seventh in a series of tall oil informational bulletins. Entitled "Tall Oil in Core Oils," the publication deals with foundry molds and cores, core requirements, core binders, tall oil core oils and tall oil esters. The bulletin also contains data on tall oil itself and a bibliography.

Baltimore Paint Club Gets Wartime Advertising Advice

Paint manufacturers were told to "sweat out" but not "sit out" a sellers market by Wilbur VanSant, of VanSant, Dugdale & Co., at the October 20 meeting of the Baltimore Paint, Varnish and Lacquer Association in that city. Speaking on "What to Do About Advertising in a War Economy—Hot, Cold, or War." Mr. VanSant pointed out that many factors could contribute to a decline after the buying spree. If the market become oversold, he stated, advertising will maintain dealer relationships, provide means for testing new available items, assure continued brand acceptance, and choice advertising spots.

Martin-Senour Co. Building New Automotive Warehouse

Completion of a new, $200,000 warehouse to expand services of its automotive division is expected December 15, it was announced October 18 by the Martin-Senour Company, Chicago. Ground was broken August 14 for the new Chicago warehouse at 3217-33 West 48th place. Original completion date was set for January 1. The new warehouse will have 42,750 square feet of usual floor space.

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Petroleum Derivatives

Toluol and xylol were just as tight as ever last week, and there were no signs of any improvement. In some quarters it was feared that a heavy Spring call would put the materials in an even tighter spot than they are in now. Prices, however, were unchanged. Higher boilers were still tight and looked as though they would stay that way. Intermediate aromatic solvents were unchanged on the low side but on the high side one producer advanced from 26½c to 28c. for the 270-370 b.r., 26-27°C. m.a.p.

Aliphatics enjoyed a generally good demand and the supply was sufficiently strong to accommodate it. However, it was thought that a sudden upturn in some of them, particularly mineral spirits and Stoddard solvent, might put considerable tightness on the supply picture. Heptane, hexane and pentane were about where they had been as to supply and demand. LPGs were in a good position. Demand was good but the Winter call had still to be felt.

Microcrystalline and paraffin waxes were both in good demand, as they had been for some time. Prices held at previously established levels. Petrolatum and white mineral oils were also in good demand, with neither freely available, although it was said that white oils were the freer of the two.

Solvents and Diluents

No improvement was noted in the supply position of either toluol or xylol during the week. Supply was not up to it now and an increase of call for the Spring trade would put the materials in an even tighter position. There were no changes in price reported during the week. Higher boilers were without any considerable change. Demand was strong but supply was tight and there seemed to be no prospects of its easing in the immediate future. Prices of the higher boilers were unchanged. Blends were holding in price except that one producer advanced listings on 270-370 b.r., 26 27° C. m.a.p. material from 26½c. to 28c. on the high side of the range. The low side was unaffected.

Cleaners' Naphtha—The supply was at a point high enough to accommodate the ordinary wants of consumers, although there were some signs that it was a bit tighter than it had been. The demand was holding up well and the signs were that it would continue to do so for the immediate future at least. The price structure held and gave no signs of undergoing any changes in the immediate future.

Lacquer Diluent — Although stocks could not be called abundant, there was enough of the material available to accommodate the normal requirements of the trade. The demand was good and the signs were that it would stay that way for the immediate future at least. There were no changes in prices and there were none indicated at this time.

Mineral Spirits—The demand continued at a good rate during the past week and the indications were that it would go on that way. Supply was up to the normal needs of the market although it was not so strong that it could withstand any sudden upswing in ordering. The price listings were without change and there were no indications that there would be any revisions in the near future.

Rubber Solvent—Demand was at a good level during the past week and was expected to go on that way, particularly in light of the government re-activation of the synthetic rubber program. Supply was sufficiently strong to meet the normal requirements of the trade. There were no changes in the price listings and there were none anticipated at this time.

Stoddard Solvent—Supply held at reasonably good levels during the week although it was not long enough to withstand a heavy upturn in ordering. Demand was good and was expected to go on that way. The price listings held during the week and the indications were that they would continue to do so.

V. M. & P. Naphtha—The supply was high enough to accommodate the normal needs of the market without difficulty. Demand was holding up well and gave indications of continuing that way. There were no changes reported in the price listings and there were no indications that there would be any in the immediate future.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

LPG's—Supplies were at good levels during the week and were sufficiently strong to take care of any normal demands of the market. So far, there was a little Winter demand for butane and propane, but the heavy ordering was not expected until the weather took a definite cold turn. Business in general was at a better point than it had been and use for motor fuel was on the increase. Prices were still holding at the previously established levels.

Waxes

Microcrystalline—The demand for this material continued at a high level during the past week and the indications were that it would go on that way for some time yet. Supply was on the tight side with no signs of any immediate improvement. Prices held at previously established levels, and, while there were no indications of any revisions, they were very firm.

Paraffin—The supply was not in what could be called a free position last week and there seemed to be no signs of any immediate easing. Demand continued at good levels and seemed set to go on that way. There were no changes noted in the price structure and there were none indicated.

Miscellaneous

Crude Oil—Texas crude oil production allowable for November has been set at 2,722,705 barrels a day by the State Railroad Commission. This represents a cut of 26,808 barrels a day from the current rate. This was in line with the opinion of the heads of major oil companies who recently stated that national crude oil stocks are adequate.

Petrolatum—There were no changes reported in the price range of this material during the period under review and there were no indications that there were any in prospect for the immediate days ahead. The supply was still very tight and showed no signs of any great improvement. The demand was at high levels and was expected to continue that way for at least the immediate future.

White Mineral Oils—The demand continued good last week and was expected to go on that way, while the supply was not what could be called abundant, although in one section it was reported that it was about up to the demand. Prices were holding firmly although there were no changes announced and none indicated for the immediate future.

Los Angeles Petroleum Market

The solvent and diluent market continues unchanged with both demand and supplies at a good level. Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Cleaning solvents, including Stoddard, quoted from 15.7c. to 19.7c. per gallon, same basis.

Heavy demand is noted here for L.P.G.'s with short supplies reported for butane, quoted 6.3c. per gallon, tankcars, f.o.b. Los Angeles. Propane quoted 5.8c. per gallon, same basis.

Demand is holding well for high melting point paraffin waxes with supplies reported tight for the next sixty days. Current quotations are:—122/128 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound; 142/147 ASTM, same basis, 7.05c. per pound; 146/148 ASTM, same basis, 7.15c. per pound, and 157/162 ASTM, same basis, 7.8c. per pound. Tankcar prices quoted 6.55c., 6.65c., 6.75c. and 7.4c. per pound respectively.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended October 14 totaled 241,117,000 barrels according to data reported to the Bureau of Mines. Compared with the total of 241,211,000 barrels for the preceding week, this represents a decrease of 94,000 barrels, comprising an increase of 84,000 barrels in stocks of domestic crude and a decrease of 178,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Color—Gardner 1933	2-4	2-4
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Iodine Value	8-14	6-12

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Oils, Fats and Waxes

Under the leadership of soybean and cottonseed oils, further price advances took place for edible vegetable oils last week. Sharp advances in soybeans lifted soybean oil about 1¼ cents per pound. This strength and scarcity of offers of crude cottonseed oil also boosted quotations 1¼ cents. Trading was moderate at the higher levels. Corn and peanut oils were fractionally higher, though business was reported spotty. Price index advanced 4.8 points.

Copra was in active demand for foreign account, advancing shipments $10 per ton. This was reflected in coconut oil which also was upped 1 cent per pound. Palm oil continued to move upward owing to steady increase of prices at primary centers.

Crude sardine and menhaden oils were scarce and limited quantities were sold at higher levels. Cod oil also was stronger and advanced 2 cents per pound for prompt delivery. Offers for shipment from Newfoundland were still light.

Linseed oil was firmer, especially for November forward delivery. Spot oil was unchanged while futures were increased fractionally. Demand for tung oil was more active and a good volume of business took place at a fractional advance.

Tallow and greases continued firm, with trading at an increase of 1¼ cents per pound for soapers account. Trading was moderate and consummated at premiums for domestic and export delivery.

Market Trends

Prices Advanced

Carnauba wax, No. 3, 1c. to 2c. per lb.
No. 1, yellow, 3c. per lb.
Coconut oil, 1c. per lb.
Cod oil, 2c. per lb.
Copra, $10 per ton.
Corn oil, ½c. per lb.
Cottonseed oil, 1½c. per lb.
Grease, 1¼c. per lb.
Japan wax, 3c. per lb.
Lard, ½c. per lb.
Linseed oil futures, 2/10c. per lb.
Menhaden, crude, ½c. per lb.
Palm oil, ¼c. per lb.
Peanut oil, 1¼c. per lb.
Sardine, crude, ½c. per lb.
Soybean oil, 1¼c. per lb.
Tallow, 1¼c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Beeswax, crude, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 28, 1949
162.8	158.0	157.3	111.3	109.9

(*For Current Prices see Page* 9)

Cottonseed Oil

Trend of bleachable cottonseed oil futures continued upwards last week, under a wave of general buying. Prices were advanced sharply and new highs for the season were registered. Market reflected the strength in crude cottonseed oil, which was offered sparingly on a scale upward and the sharp advances of soybeans and soybean oil. Trading was chiefly speculative, with refiners selling futures. Selling pressure on bulges was promptly absorbed, making little headway.

Crude cottonseed oil was sold and bid at 20c. per pound, tankcars in the Valley and trading took place at 19¾c. in Texas. Offerings were light and restricted to immediate shipment.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended October 27 follow:—

	Sales	Cents per pound—High	Low	Close
December	723	22.80	20.98	22.65S
March	828	22.40	20.70	22.25S
May	1,382	22.40	20.86	22.29S
July	505	22.18	20.60	22.05S
September	109	20.48	19.17	20.50@20.60
October	10	19.50	18.45	19.50S

Total sales, 3,557 tankcars, including switches.

Memphis.—Crude cottonseed oil 19½c. bid and 20c. asked for tankcars, f.o.b. mills, Valley. Crude soybean oil quoted at 15c. per pound, tankcars, nearby. Cottonseed meal 41 percent, held at $71 per ton, sacked, Memphis. Cottonseed cake, $65 per ton, bulk f.o.b. Mississippi mills. Considerable business on this basis. Hulls were in scanty supply and quoted at $15 per ton, bulk and $20 sacked, mills. Weather continued fair.

Linseed Oil

Market was firm and November forward deliveries were lifted 2/10c. and 3/10c. per pound, while October was unchanged. Before the advance considerable business was booked for delivery up to next June. Raw oil was unchanged at 15.80c. per pound, tankcars, zone 3 for October delivery. November was raised to 15.60c. per pound, December, to 15.30c. and January-August, 15.10c. Withdrawals against contracts continued in good request.

Minneapolis.—There was some spot linseed oil business last week, but very little forward buying, local crushers reported. Most consumers marked time after booking heavily for the first half of 1951 prior to the recent price advance in linseed oil. Oil for spot shipment was scarce and steady at 15.2c. per pound, in tankcars, f.o.b., Minneapolis. November oil was quoted at 15c. a pound, December at 14.7c., and January-June at 14.5c. Crushers indicated they would be willing to make concessions in price if they could be guaranteed that they could purchase and store more flaxseed at cheaper prices. They bought considerable seed at $3.25 a bushel last week but the "stickler" was storage space.

Shipments of linseed oil, in pounds, were as follows:—

	1950-51	1949-50
Past week	9,420,000	9,300,000
Since Sept. 1	80,480,000	81,960,000

Flaxseed—Trading active at unchanged prices. Seed receipts continued heavy.

Minneapolis.—Another run of seed poured into the Minneapolis market last week, receipts running around 1,500 cars as compared to 1,154 in the preceding week and only around 150 cars a year ago. New bookings on a to-arrive basis were also heavy, totaling 1,299 cars and 92,500 bushels by truck. Practically all of the No. 1 seed sold at $3.25 a bushel. Some poorer grades sold down to $3.20. Crushers were willing to buy the seed but they faced a problem of "Where to store it?" This factor imparted a weak tone to the market. The week's receipts reached the year's peak.

Receipts and shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1950-51	Receipts 1949-50	Shipments 1950-51	Shipments 1949-50
Past week	2,497,300	251,600	243,100	34,000
Since Sept. 1	12,735,600	7,992,900	1,373,600	683,400

Other Vegetable Oils

Coconut—Increased demand for copra by foreign buyers, stiffened the oil market. Crude oil offerings became scarce. Prices were nominal and advanced to 16½c. per pound, tankcars, f.o.b. Pacific coast, for October-December shipment.

Copra—Offerings for shipment were practically unavailable due to active demand for shipment abroad. Market was higher at $220 per short ton, c.i.f. Pacific coast, following trading at $215.

Corn—Prices were raised ½c. per pound. Crude oil was sold at 18½c. tankcars, f.o.b. mills. Market was firm with competing oils. Refined oil was higher at 22½c. per pound, tankcars, New York delivery.

Palm—Higher cost of shipments increased prices ¼c. Spot stocks were lifted to 17.10c. per pound drums. November-December delivery, New York, was raised to 16c. per pound, tankcars.

Peanut—Crude oil was stronger with competing oils and advanced to 21c. per pound, tankcars, f.o.b. mills. Trading was fair. The government released peanuts for 30 tankcars of oil last week. Refined oil was firmer at 24½c. per pound, tankcars, New York delivery.

Soybean—Increased cost of soybeans continued to strengthen this market. Crude oil advanced to 15½c. per pound, tankcars, spot, f.o.b. mills. October shipment was sold at 15¼c. November at 14⅝c. and December at 14¼c., and January-February at 13⅞c. Refined oil was firmer and nominal 18¼c. per pound, tankcars, New York delivery.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended October 27 follow:—

	Sales	Cents per pound—High	Low	Close
November	21	14.50	14.05	14.85@15.20
December	48	14.50	13.75	14.35@14.65
January	44	14.20	13.50	14.10@14.20
March	183	14.30	13.25	14.12@14.20
May	441	14.30	13.30	14.15S
July	323	14.25	13.10	14.02@14.05
August	2	13.02	13.00	13.75@14.05
September	8	13.95	12.00	13.95S
October				13.10 bid

Total sales, 1,070 tankcars and switches.

Tung—Prices were lifted ¼c. under improved trading. Sales of good volume were made up to 24¾c. per pound, tankcars, New York for October forward delivery. Some sellers asked 25c. Drums also were higher at 26½c. to 27c. per pound, depending upon quantity.

Fats and Greases

Greases—Market stronger with western markets. Sales of yellow grease were reported sold at 10¾c. per pound, tankcars, f.o.b. Chicago. Offerings in the local market continued light and trading was moderate at premiums of about 2 cents per pound. Export inquiry was fairly active, but actual trading was limited.

Lard—Higher cost of competing oils,

For Late Market Developments, See Page 4

improved the tone of this market and prices were up about ½c. per pound. Trading was fairly active for prompt delivery. Export inquiry was moderate. Pure refined oil was quoted at 16¼c. per pound, containers, f.a.s. Cash lard was nominal at 13½c., tierces, Chicago.

Tallow—Soapers purchased fancy at 13½c. per pound, tankcars, and special at 12½c. tankcars, New York delivery, which was 1¼c. above the official price. Offers were light locally with small buyers and exporters paying premiums of more than 2c. per pound. Western markets also were reported higher.

Animal Oils

Firmness of tallow and greases was reflected in other animal oils and fats and kept prices strong. Grease oils were advanced in some quarters but quotations were more or less nominal and covered a wider range. No. 1 grease oil ranged from 16½c. to 18½c. per pound, drums, depending upon seller; extra winter strained, 19c. to 21½c. and prime burning, 21c. to 23c. same basis, according to seller and quantity. Neatsfoot oil remained strong with prices also nominal. Fifteen degree ranging from 34c. to 36c. per pound, drums, as to seller and quantity; 20 deg., 32c. to 35c. and 30 deg., 30c. to 30½c., same basis.

Fish Oils

Cod oil was strong and Newfoundland tanked oil was advanced to 12½c. per pound, drums, New York, prompt delivery. Demand was spotty and offers still limited. Refined fish oil continued steady with light cold pressed maintained at 15c. and alkali refined, 16c. per pound, tankcars, New York basis.

Los Angeles.—Tuna oil continued scarce and quoted nominally at 8½c. per pound. The cannery workers' strike in San Diego, now in its second month, has considerably hampered tuna production in that area. Trading has been light in crude sardine oil with approximately 30 cars moved at 11.75c. per pound, f.o.b. San Pedro. Current quotations were 11½c. bid and 12c. asked. Pilchard landings are holding up exceptionally well in the Southern California area with 104,934 tons landed through October 23 compared to 5,365 tons for the same period last season.

Cake and Meal

Cottonseed Cake and Meal—Forty-one percent loose slab cake was offered in the Mississippi Valley at $63 per ton, immediate; $62.50 first half November, and $62 straight November shipment. Forty-one percent sacked meal sales limited at $69 basis Memphis first half November shipment and in the Southeast at $71.50 to $72.50, with 36 percent $5 per ton less, November shipment. Meal in the Carolinas was very scarce commanding $3 to $4 per ton premium over Georgia and Alabama points.

Linseed Meal — Improved demand strengthened the market. Selling pressure reduced.

Minneapolis.—Prices of meal were firmer as demand improved for spot and forward needs. Distress meal was materially reduced. Meal 36 percent for spot and November was quoted at $56.50 per ton, bulk, carlots, f.o.b., Minneapolis; and December-March $57.50; 34 percent, $57 per ton, spot; $58, November and $59, December-March.

Shipments of linseed meal, in pounds, were as follows:

	1950-51	1949-50
Past week	20,340,000	18,440,000
Since Sept. 1	148,120,000	148,090,000

Soybean Meal—Meal was stronger and in excellent demand, especially in the southeast. Demand slackened, with market slightly easier. Forty-four percent bulk meal was offered at $54 per ton basis Decatur, October, November, December shipment. Forty-four percent sacked meal was available at $57.50 to $58 basis West Tennessee mills October, November, December shipment. A few mills in Alabama and Mississippi are operating, with most sales made locally. Forty-one or 44 percent sacked meal was quoted at $65 South Alabama mills, November, December shipment. Soybean harvest is estimated, by private sources, to be about 85 percent completed.

Waxes

Beeswax—Crude grades were easier, declining 2c. per pound. Refined grades were unsettled, though prices were still unchanged. Crude African was quoted at 53c. to 55c. per pound, spot as to quantity; Brazilian, 56c. to 58c. and Central American, 54c. to 56c.

Carnauba—This market rallied and prices were higher for all grades. Improved demand between dealers materially reduced supplies on the spot. Consuming demand was slow. Brazilian market remained firm and replacements were still above prices for spot stocks. No. 3, crude was quoted at 84c. to 86c. per pound and refined, 88c. to 90c. spot as to quantity; No. 1 yellow, $1.03 to $1.05 and No. 2, $1.01 to $1.03 per pound, same basis.

Japan—Japanese market was stronger for shipment with offers limited. Active demand stiffened the spot situation and quotations were lifted to 65c. per pound on spot.

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Barium nitrate, 35,000 pounds, Army Ordnance Department (Frankford Arsenal, Philadelphia) invitation 276, November 17.

Calcium chloride, flake, 135,000 pounds, Navy Purchasing Office (New York 3) invitation 7424, November 10.

Caustic soda, 3,200 pounds, and 2,976 13-ounce containers, Federal Supply Service (Chicago 4) invitation CH-27153, November 7.

Chemicals & Drugs: histamine phosphate injection, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 477, November 6; tablets, glyceryl trinitrate, phenobarbital and belladonna extract, sodium chloride; tincture, sweet orange peel; petrolatum, Veterans Administration (Washington 25) invitation A-26, November 3.

Compass liquid, aircraft, 6,285 quarts, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-11,562, November 7.

Detergent, hand, 300 gallons, Bureau of Engraving & Printing (Washington 25) invitation BEP-185, October 31, unspecified, 55,160 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-11,592, November 3; hand cream, 9,916 containers, Federal Supply Service (Washington 25) invitation 94178/3, November 10.

Disinfectant, pine oil odor, 3,450 gallons, Federal Supply Service (Washington 250, invitation 24261/3, November 15.

Drier, concentrated manganese naphthenate, 3,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,646, November 13.

Duplicating liquid, direct process, 1,400 gallons, Federal Supply Service (Washington 25) invitation 94259/3, November 14.

Ethyl alcohol, 18,800 gallons, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 561, November 2.

Eucalyptol, 1,920 bottles, Veterans Administration (Washington 25) invitation A-26, November 3.

Ferric sulphate, anhydrous, 28,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-11,605, November 7.

Formaldehyde solution, USP, 21,408 quarts, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 477, November 6.

Insecticide, airplane spray, 442,072 gallons, DDT 100%, 122,000 pounds, DDT emulsion, 54,000 gallons, DDT powder, 247,305 pounds, Navy Purchasing Office (New York 3) invitation 7411, November 10.

Linseed oil, boiled, 550 gallons; raw, 650 gallons, Federal Supply Service (Chicago 4) invitation CH-27399, November 14.

Magnesium, type III, 12,000 pounds, Army Ordnance Department (Frankford Arsenal, Philadelphia) invitation 276, November 17.

Oil, peppermint, 960 bottles. **orange,** 768 bottles, Veterans Administration (Washington 25) invitation A-26, November 3.

Paint & allied products: enamel, 3,812 gallons, paint, 12,698 gallons, varnish, 660 gallons, Federal Supply Service (Chicago 4) invitation CH-27399, November 14; enamel, 10,000 gallons, U. S. Penitentiary, Lewisburg, Pa., invitation JPI-14-3389, December 5; enamel, 4,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-52,003, November 13; asphalt varnish, 27,900 gallons, various deliveries, invitation B-52,291, November 16; paint, exterior, 500 gallons, invitation B-52,152, November 10; enamel, aircraft gloss, 4,558 gallons, rust inhibiting, 2,760 gallons, heat resisting, 6,560 gallons, and gloss, 1,272 gallons, invitation B-52,119, November 16; paint, various, 2,100 gallons, enamel, 150 gallons, Army Quartermaster (Fort Bragg, N. C.) invitation ENG-30, November 3; paint, enamel & stain, 1,445 gallons, Federal Supply Service (2400 Fourth Avenue, South, Seattle) invitation 4-1842-1, November 6; paint, various, 4,200 gallons, Federal Supply Service (Dallas, Texas) invitation FW-11054, November 2.

Paint stripping compound, 18,150 pounds, Erie Ordnance Depot, La Carne, Ohio, invitation 33, November 3.

Petroleum products: fuel oil, navy, special, approx. 7,300,000 or 3,650,000 barrels, as required during a six or three months' period, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 36, November 21; 6,600,000 or 3,300,000 barrels, invitation 50, November 21; motor fuel, M, 74 octane grade, 1,560,000 or 780,000 barrels, invitation 58, November 21; 14,700,000 gallons, as required from January 1, 1951, through June 30, 1951, invitation 54, November 21; diesel fuel oil, grade A, 600,000 or 300,000 barrels, as required during six or three months' period, invitation 53, November 21; grade C, 200,000 or 100,000 barrels, invitation 52, November 21; navy, 1,340,000 or 670,000 barrels, invitation 51, November 21; 1,610,000 or 805,000 barrels, invitation 57, November 21; fuel oil & gasoline, as required from January 1, 1951, through August 31, 1951, invitation 49, November 9; transformer oil, various deliveries from November 30, 1950, through June 30, 1951, invitation 88B, November 7.

Pigments: white lead in oil, 1,100 pounds, dry pigment, 300 pounds, Federal Supply Service (Chicago 4) invitation CH-27399, November 14, pigment in oil, 250 gallons, Federal Supply Service (Dallas, Texas) invitation FW-11054, November 2.

Plaster of Paris, orthopedic & dental, 19,200 five-pound cans, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 590, November 7.

Polish, greaseless, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-52,330, November 8.

Potassium chromate, 8,300 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-11,599, November 2.

Potassium perchlorate, 14,000 pounds, Army Ordnance Department (Frankford Arsenal, Philadelphia) invitation 276, November 17.

Salad oil, vegetable, 1,800 gallons, Army Quartermaster (Chicago 9) invitation 993, November 20.

Soap, borax compound, 1,500 pounds, Federal Supply Service (Washington 25) invitation 93952/3, November 8; laundry, 6,000 pounds, Federal Supply Service (Dallas, Texas) invitation FW-11092, November 6; laundry and cleaners, Federal Supply Service (Denver, Colorado) invitation 1442, November 3.

Soda ash, 70 sacks, Federal Supply Service (Dallas, Texas) invitation FW11092, November 6.

Sodium cyanide, 800 pounds, Bureau of Engraving & Printing (Washington 25) invitation BEP-190, November 3.

Sodium metaphosphate, 211,700 pounds, Veterans Administration (Washington 25) invitation S-117, November 7.

Sodium thiosulphate, 700 pounds, Federal Supply Service (Chicago 4) invitation CH-27153, November 7.

Starch, laundry, 4,000 pounds, Federal Supply Service (Dallas, Texas) invitation FW-10989, November 6.

Trisodium phosphate, 3,500 pounds, Federal Supply Service (Washington 25) invitation CH-27-153, November 7.

Turpentine, 2,830 gallons, Federal Supply Service (Chicago 4) invitation CH-27399, November 14.

Wax, 300 gallons, Federal Supply Service (Dallas, Texas) invitation FW 11074, November 2; 660 gallons, Veterans Administration Hospital, Fort Custer, Mich., invitation 96, November 3.

Hydrofol

data sheet

SPERMAFOL 45

Melting Point	44 to 46° C
Free Fatty Acid (as Oleic)	2.0% max.
Acid Number	4.0 max.
Iodine Number	20 to 30
Saponification Number	133 to 145
Unsaponifiable (higher Alcohols)	33 to 38%
Specific Gravity @ 100/25° C	0.825
Flash Point	491° F
Fire Point	545° F
Color	White

Used in

cosmetics, hand soaps, lubricants, wax compounds, metal drawing compounds, leather and textile chemicals, packings and gaskets

Product notes

composed mostly of higher alcohol esters . . . . when saponified, forms soap and fatty alcohols . . . . can also be sulfonated, sulfated, emulsified . . . . soluble in most solvents and insoluble in ethyl alcohol.

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A.2

"Consolidated"

EXCEPTIONAL SAVINGS

FILTERS

4—SWEETLAND Filters—No. 12 with 36 steel, bronze or Monel leaves; also #5.
15—Presses, cast iron, 12" x 12" up to 42" x 42", open and closed delivery.
4—RUBBER covered presses, 24" x 24" and 36" x 36".
1—ALUMINUM Sperry, 30" x 30", Plate and Frame, 45 chambers.
2—3' x 1' and 6' x 4' Oliver, top feed.
1—8' x 15' OLIVER PRECOAT Vac. continuous Filter.
1—8' x 12' Oliver Acidproof—lead fitted.
3—8' x 10' Oliver steel, wood staves.
2—8' x 4' Dorrco Continuous Vacuum Filters.
2—6'6" x 6' Feinc, string discharge, pumps, etc.
2—8' x 12' Oliver, all steel.
2—11'6" x 18' Oliver, all steel.

1—Stokes 79-80 semi-auto. TUBE FILLER, CLOSER, CLIPPER.
1—24" TOLHURST CENTRIFUGAL, rubber-covered perforated basket.
60—40, 60, 80, 100, 150 gal. ALUMINUM JACKETED KETTLES, pressure tested.
1—J. H. Day Steam Jacketed ALUMINUM Horiz. 1,000# DRY POWDER MIXER.
1—160 gal. Buhrstone-lined PEBBLE MILL, with expl. proof motor.
1—Self-adjusting carton top and bottom GLUER-COMPRESSION UNIT.

1—Complete DRY ICE PLANT, capacity 50 tons per day, steam driven.
6—25,000 gal. Horizontal STEEL STORAGE TANKS, 3/8", with 12' high steel supports.
2—#0000 RAYMOND PULVERIZERS, also selection other sizes and 30 Hammer Mills of various makes.
1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.
5—Day Roball Sifters, #71, 40" x 84", STAINLESS STEEL, Single Deck, motor driven.
2—2,500 lb. Horizontal Ribbon Type POWDER MIXERS.
1—Fitzpatrick Model D 1600, Stainless COMMINUTING MACHINE, reversible head, m.d.

1—Baker Perkins 100 gal. Stainless Steel Vacuum Mixer.

1—500 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 5' x 6', jacketed, with drive and motor.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' x 7'6".
10—BAKER PERKINS MIXERS, Jacketed and Unjacketed, 5 gal., 9 gal., 20, 50, 100, 150, 200 gallon.
1—#OA 18" RAYMOND SCREEN MILL.
1—Rogers 3' Stainless Steel VACUUM PAN.

DRYERS

3—Rotary Vacuum Dryers: 5' x 33' and 5' x 25' Devine; 4 x 20' #59-C Stokes; 3 x 15' #59-B Stokes; each complete with auxiliary equipment.
4—Vacuum Shelf Dryers: Devine 10—40" x 43" shelves; #11 Devine, 17—40 x 43" shelves; Devine with 18—59" x 78" shelves; Devine #23 with 13—59 x 78" shelves; 29—40 x 43" extra welded vacuum dryer shelves.
1—Buffalo Vacuum Drum Dryer, double rolls, each 42" dia. x 120", complete. Also 5' x 10'6" Devine with single bronze drum.
9—Double Drum Atmospheric Dryers: 28 x 60", 36 x 81" Black & Clawson; 32 x 72", 32 x 90", 32 x 100", 42 x 90", 42 x 100" Buffalo.
8—Single Drum Atmospheric Dryers: Two UNUSED 48" x 48" Goslin-Birmingham; 48 x 40, 5 x 12' Buffalo; 4 x 5' chrome clad; 4 x 9' Albright-Nell.
1—6' x 4' Flaker, chrome-plated, m.d.
2—6' x 27' Davenport Rotary Steam Tube Dryers, each with vari-speed reducer and motor, etc.
12—Rotary Dryers: 3'6" x 24' Aluminum; 4' x 30' Monel; 5'4"x40' Stainless Steel; 2' x 15', 5' x 24', 5' x 30', 5' x 50', 6' x 60', 8' x 60', 9' x 85', 11'6" x 120'. Also ROTARY KILNS up to 9'6" x 250'.

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Mikro 4TH, 2TH, 1SH, Bantam Pulverizers; Jay Bee 3AT & U1, Schutz O'Neill, Stedman Mills.
Baker Perkins BB, W. & P., JNM and Readco Heavy Duty 50, 100, 150 gallon cap. Double Arm, Steam Jacketed Mixers.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers, from 2 to 450 gal. with and without Jackets, Single and Double Arm.
Day, Howes and Robinson 100, 600, 2,000, 4,000 lbs. Dry Powder Mixers and Sifters.
Read 600 lbs. Stainless Steel Dry Powder Mixer.
Day 80 gal. Brighton Pony Mixer.
Copper Steam Jacketed high-pressure kettles, with and without Agitators.
Proctor & Schwartz Soap Dryer.
Huhn and Hersey Steam and Gas Fired Rotary Tubular Dryers.
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Kent Three Roll Roller Mills, 12" x 30" and 16" x 40" sizes.
Houchin Aiken & N.E. Soap Mills.
S. & S. G1 and G4 Auger Fillers.
Knapp E adj. Wraparound and Spot Labeler, 1 gal. cap. (also for jars with ears).
Burt Auto. Wraparound Labeler.
F. J. Stokes Twin Eureka and Colton Rotary Tablet Machines.
Triangle Package U Auger, G2C, G2S, A2C, N2CA and A6CA Electri-Pak 6 head Fillers.
Triangle Model SHA Auto. Net Weigher and Carton Sealer.
F. J. Stokes Hand Cream Filler, Tube Closer and Crimper.
Colton 4PF Cream Filler.
Filler 1, 2, 4 and 8 head Stainless Steel Piston Fillers.
Ceco and Jones Cartoners.
Knapp No. 429 Carton Sealer.
Package Machy. Co. Models FA, DF, FAQ and FA2Q Fully Automatic Cellophane Wrappers.
Package Machinery Model EE Automatic Tablet Wrapper.
Scandia and Miller Wrappers.
Capem BIF auto. Capper.
Pony M, ML and MX Duplex Labelrites, Ermold and World Semi and Fully Automatic Rotary & Straightaway Labelers.
Horix Stainless Steel Rotary and International Straightline Automatic Vacuum Fillers.
Ayars No. 10 Can Rotary Filler.
Alsop, Sweetland, Vallez, Sperry, Shriver, Ertel and Republic Filter Presses.

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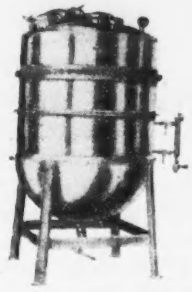
- Stainless Steel Tanks and Vacuum Vessels; all sizes.
- Sweetland Filters; all sizes.
- 24" x 36" Shriver & Sperry Filter Presses.
- Lead Lined Tank, 4' x 5'.
- 2 Monel Tanks, 6' x 9½'.

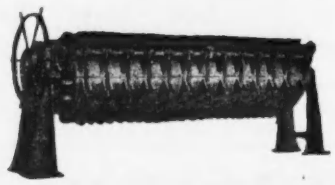


- Pfaudler Jacketed 600 gal. Tank Vac. Type with anchor agitator.
- 2 Louisville Dryers, 38" x 20'.
- Double Drum Dryer, 24" x 24".
- 600 gal. Nickel Lined Agt. Tank.
- Steel Still, 54" x 96", with receiver.

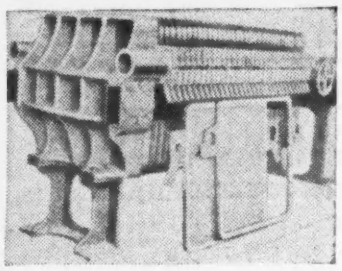
From N. Y. Stock

Pfaudler 2,500 gal. Gl. Lnd. Va. Pan.
1,200 gal. Stainless Reactor, 60" x 93".
Stokes Rotary DS3 Tablet Press.
Rotex & Roball Sifters up to 40" x 120".
4 Abbe Buhrstone Lined Pebble Mills, 54" x 60", with motors.

ZAREMBA TRIPLE EFFECT EVAPORATOR
220 sq. ft. each effect complete with accessories



Mojonnier Copper Vac. Pan, 6' x 16'.
Alberger Karbate Acid Recovery System.
Koch Electric Ovens, 6', complete.
Standard Knapp Aut. Gluers & Sealers.
Struthers Wells, 5' x 10' Drum Dryer in Stainless Steel.



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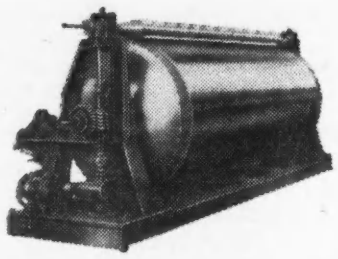

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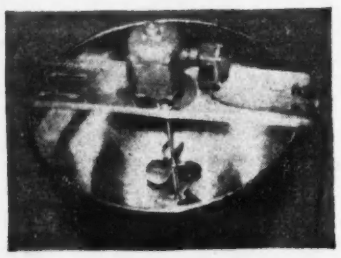

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Adjustable on kettles and tanks from 18" to 36" in diam. Equipped with ¼ H.P. geared head explosion-proof motor and switch with cord and plug—mounted on heavy aluminum channel—stainless steel shaft and stainless steel propeller blades. The speed is 280 rpm. Other speeds available.

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Ball Mills	Dryers, All Kinds
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Carton Gluer: Packomatic with Sealer.
Mills: 3-roll high and slow speeds.
Mixer: W.&P. 20 gal. and 2,000 gal. jktd.
Filler 10 spout Pneu. Scale, stain. steel.
Boilers: Gas fired: 3, 10, 30 hp.
Kettle: 10 gal. st. steel, jack., agitated.
Tube Fillers—Closers: Automatic and Semi.
Filter: Sweetland, 12-24" leaves 4" c.c.
Filter Presses: 18", 24" C.I., 12" alum.
Belt Conveyors: 10', 12', 16', 20', 30', 40'.
Powder Mixers: 100 to 5000 lb. capacities.
Autoclave: 10 gal. Buflovak, cast iron.
Labelers: Bottle and Can, auto. and semi.
Powder Fillers: Stokes & Smith, Stokes, Triangle, Gump, McMinn, Day, Howes.
Tank: 11,000 gal. steel horiz. 8x30'.
Filter: Feinc vacuum 3'x1'.

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3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
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PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

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Rubber Lined Exhauster—Clarage—Unused.
12,000 gal. Rubber-Lined Tank.
Smelting Furnace, U. S. No. 2.
Screen-Rotex, 30"x66" double w/m.
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Mikro Pulverizers, 2w & 24" w/m.
Ball Mill—Hardinge 4½'x16", 6'x48".
Crushers, Roll, 12"x12", 16"x10", 54x20 Sturtevant.
Crushers—Jaw: 7"x9",, 5"x12", 12"x26", 54"x36" Link Belt Drum Type Mixer.
Sweetland Filters, #12.
Rotary Kiln, 54"x30' Kutztown.
Manton Gaulin Colloid Mill.

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38¾ I.D. X 18¾ DEEP 65 GAL. CAPY.

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4—Ross Eng. 2-truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
3—6'x40' Stainless Steel Rotary Dryers.
3—Bird Continuous Centrifuges 18"x28" stainless 36"x50" rubber.
2—Tolhurst 40", 32" Suspended Centrifugals, monel perforated baskets.
1—Tolhurst 26" Suspended Centrifugal, steel perforated basket.
1—AT&M 48" Suspended Centrifugal, stainless steel basket.
5—Atmospheric Double Drum Dryers 32"x52", 32"x72", 36"x84", 32"x100", 42"x120".
6—Sweetland Filters #12, 9, 2.
2—Sweetland Filters #2 solid stainless.
5—Oliver Rotary Vac. Filters 11'6"x18', 8'x12', 8'x8', 6'x6', 3'x2'.
1—Swenson 4'x5' Rotary Vac. Filter.
2—Rotary Vacuum Dryers 30"x8', 4'x20'.
9—Patterson, Abbe Pebble Mills 6'x8', 5'x6', 4'x5', 4'x4', 3'x4', 3'x3'6", 2'x3'.
3—Mikro Pulverizers #4TH, 2DH, 1SH.
7—Rotex Sifters 40"x56", 40"x84", 40"x120".
3—Tyler Hummer Screens 4'x5', 3'x5'.
2—Baker Perkins 100 gal. Steam jacketed, sigma arms, double geared Mixers.
3—Baker Perkins Mixers, 20, 9, 2 gal.
3—Baker Perkins 100 gal. Type VHMM Dispersion Mixers, 200HP. motors.
8—Shriver, Sperry Filter Presses, 12" to 42".
2—Stainless Steel Tanks 500, 750 gal.
2—Rubber-lined Storage Tanks 12,000, 4,500 gals.
1—Devine Vacuum Shelf Dryer. 14—67"x157" shelves.
25—Powder Mixers 100 to 5,000#.
20—Stainless Steel Kettles 20 to 500 gal.
21—Pfaudler glass-lined Tanks, 8,000 gal.
70—Centrifugal Pumps 1" to 10".

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42" **AT&M,** Suspended, bottom discharge, stainless steel basket.
48" **AT&M,** Suspended, bottom discharge, all stainless steel.
24" **BIRD,** Continuous, type CH, series 200, steel.
18" x 28" **BIRD,** Continuous, solid bowl, steel.
36" x 50" **BIRD,** Continuous, rubber lined.

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3—8'x10' **OLIVER,** Continuous, wood and steel.
No. 12 SWEETLAND, 72 leaves, steel.

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Baker Perkins Mixers, size 15, type VIH, class BS, 150 gal. cap., tested 50 psi, pulley dr., recond.
Day 11' Split Ribbon Mixer, 2 section, 3000# cap.
Day 23' Split Ribbon Mixer, 4 section, 6000# cap.
Day Roller Mills, 12x30, high speed.
Simpson Intensive Mixer.
Banner Mixers.
Soap Crutchers, Presses—foot and auto., Wrappers, Frames, etc.
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1—Tolhurst S.S. 48" Sus. Style Centrifuge, Perforated Basket—DMD.
1—ATM. Co. S.S. 26" Sus. Style Solid Basket Centrifuge, DMD.
3—Bartlett Snow 8'x3' Stainless Steel Direct Heat Pan Dryers, 1000 gals. Agitators & 25 H.P. Motors.
3—Stainless Steel Tube Condensers 50 to 75 Sq. Ft. Surface.
4—W.&P. 100 gal. Stainless Steel Mixers, Double Arm, Motor Drive.
7—S.S. Tanks, 100-500-2500 & 6,000 gals.
4—Type 347 Stainless Steel Coils 2"—75 to 140 Sq. Ft. Surface.
2—Spencer Turbine Type 347 Stainless Steel Boosters or Compressors—600 C.F.M., 30 H.P. Motors.

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EQUIPMENT WE OWN

1—VAC STILL, 500 gallon, nickel, 14" x 16' column with condenser.
4—REACTORS, s/s type 347, 100 gallons, agitated.
10—SIFTERS, Rotex, from 20 x 64 to 40 x 120, 1 to 4 decks.
1—FILTER PRESS, 36" Shriver, jktd., hydraulic closed, 468 sq. ft. area, 39 cu. ft. cake.
1—VAC FILTER, Oliver, 6' x 6'.
20—CONDENSERS, 10 to 800 sq. ft.
1—PEBBLE MILL, 6' x 5' Buhrstone lined.
1—FLAKER 66" P. & S., with apron DRYER, 72" x 60'.

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. ● NEW YORK 13
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4—Selectro Vibrating Screens, 2' x 7', enclosed, stainless steel, two deck.
3—Louisville Rotary Steam Tube Dryers, 6' x 30' L.
1—Aluminum 1,000 gal. Reaction Kettle, jacketed, agitated, coils.
3—Nickel Lined Tanks, 300 gal.
2—Stainless Tanks, T304 6,000 gal., Horiz.
3—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.
20—Pfaudler Horiz. Glass Lined Tanks, 7,500 gal. & 8,250 gal.
50—Stainless Clad Jacketed Kettles, 30 gal, 40 gal., 60 gal., 80 gal., 100 gal., 150 gal.
3—Filter Presses Wood P&F, 30".
8—Filter Presses, C.I. P&F, 10" to 24".
1—Rotary Vacuum Filter, 8' x 8', acid proof.
1—Sweetland #10 Filter, Monel leaves.
1—Deep Well Pump, 150 GPM, 325', 20 HP motor, in original crates.
6—Ingersoll Rand bronze centrifugal pumps, #1½-CRVN, #1½-CRVNL; new.
1—Kinney High Vacuum Pump, size DVD-14918.
2—Worthington Vacuum Pumps, 6½ x 6.
1—Stokes Vacuum Rotary Drier, No. 59A with pump & condenser.
3—B&J Rotary Cutters, #1, #2, #2½.
2—Sharples 16 V Centrifuge, stainless.
2—Abbe Eng. Pebble Mills, size 1-B, 6' dia. x 8' long, buhrstone lined.
1—Robinson 5,000 lb. Powder Mixer.
1—Swenson Jacketed Crystallizer, 30'L x 24"W x 26" deep.

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Manning & Lewis Engineering Company, Newark, N. J., has appointed Alwin Tonkonogy, of Process Plants Engineering Company, Newark, engineering consultant and sales representative. Mr. Tonkonogy will aid in the expansion of the M&L heat exchanger line to include agitated process reactors, agitators, mixing equipment, rotary dryers, crystallizers, evaporators and similar chemical process equipment.

OFFERINGS FROM STOCK

New Pfaudler 65 gal. Glass-Lined Kettles.
Mikro #1 SH Pulverizers 3 HP Other sizes.
6—Anderson Oil Expellers, #1 & Duo.
6—French Oil Expellers 40 HP XPF M.D.
1—#00 Raymond Mill 30 HP complete.
4—French Oil 400-Ton Linseed Presses.
1—Dopp 1,000 gal. Jack Agit Kettle.
1—#7 Sweetland Filter bottom drainage
2—Orville Simpson 20"x37" double deck Rotex Sifters. Other sizes, 1 to 3 deck.
1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack Mixers. 200. 100. 50. & 9 gals.
Stokes #2E Paste Filler, fills to 5 gals.
Impreg. Units, Lab. or Pilot Plant & up.
2—Abbe Pebble Mills, 6'x8' & 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Master drum type Blenders, 1,000#.
15—Sperry & Shriver, 12", 18", 24" 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
1—Allis-Chalmers 1 HP Gyratory Sifter.
3—Tyler 3S Jr. Hummer Screens, 20"x60"
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
8—Lehman & Kent 3-Roll Steel Mills. 3"x9", 8"x22", 9"x32", 12"x30", 16"x40".
1—9"x24", 3 pair high, Steel Roller Mill, corrugated.
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP Also No. 6.
10 HP. Stainless Colloid Mill. Other sizes 1 to 50 HP.
2—DeLaval Multi. Clarifiers, #300 & 301.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills, 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
10—Stokes Vertical High Vac. Pumps.
1—Sturtevant 36" Rock Emery Mill.
Filling Machines, liquid, paste & powder.
20—Stainless, Alum., Copper & Glass Lined Kettles & Tanks, new & used.
1—Revolvator hand operated 1,000#.
15—Portable Elec. Mixers, ¼ to 2 HP.
Rotary Cutters Lab. to 40 HP.
8—Hammer Mills & Pulver., 3 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc.
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3—Buflovak Vacuum Shelf Dryers, 5, 12 & 15 shelves.
3—Mikro Pulverizers, Bantam size & #2TH.
1—Banbury #1 Mixer.
5—Simpson #0 Intensive Mixers "Unused."
1—Baker Perkins #6 Laboratory Vacuum Mixer.
10—Baker Perkins Jacketed & Unjacketed Mixers, 50, 100 & 200 gals. cap.
10—Shriver & Sperry Filter Presses, 7" to 42".
1—Shriver Rubber-Covered Filter Press, 36" x 36", 36 chambers.

R. GELB & SONS, INC.
UNION, N. J.
Est. 1886 UNionville 2-4900

REAL BARGAINS

1—Sperry 30" wood filter press—CD, washing.
5—Day dry powder mixers—100 to 5000 lbs.
1—50 gal. NEW ceramic filter.
1—Bendix 2 door elec. dryer—4'x5'.
1—Lehman 3 roll water cooled mill—6x13, MD.
1—Devine rotary dryer, 3'x12'.
1—Standard Knapp can labeler—for #2½ cans.

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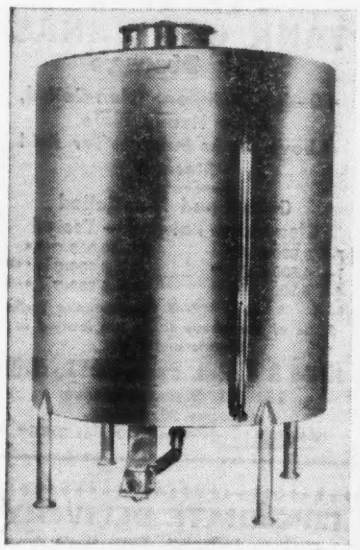

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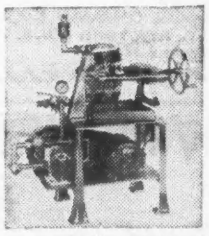

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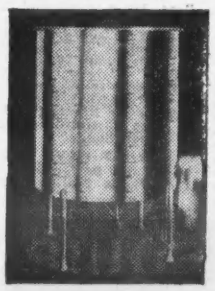

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Individual wishes to buy for own operation medium size firm of good reputation, long established, where owners wish to retire or settle estate. Will buy either assets or capital stock. Reply held confidential. OPD 518.

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Stokes High Vacuum pumps—212C, water cooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed. $349 Some unused available, $425; inspect. American Sales Co., 67 E. 8th St., New York, N. Y GRamercy 3-1465.

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Anthracene 90%—Will consider any reasonable offer for approximately 2,200 lbs. of this scarce intermediate in New York warehouse. OPD 520.

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Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 476.

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Opportunity for experienced and energetic assistant plant superintendent with large manufacturer of paints and finishes. Location in Metropolitan New York. In applying give details of experience and salary requirements. OPD 522.

POSITIONS WANTED

Tablet man, long successful experience, graduate chemical engineer, qualified large scale production, pharmaceutical, vitamin, or otherwise, in the United States and Germany, prefers to relocate, preferably in metropolitan New York. Familiar with all types of equipment. OPD 508.

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For Storage

50—6,500-Gallon, *Non-Coiled,
Extra Heavy Plate
Above Tanks Suitable for Acid Storage

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Cleaned — Painted — Tested

7— 8,000-Gal.* 28—10,000-Gal.*
1— 4,500-Gal.*** 1— 5,000-Gal.***
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CHLORINATED SOLVENTS, CADMIUM & NICKEL CHEMICALS, TITANIUMS, LITHOPONE, PHENOL, SODA (Ash, Caustic, Nitrite, Bicarbonate, Bichromate), PHOSPHATES, PHTHALIC ANHYDRIDE, PENTAERYTHRITOL, SACCHARIN, VANILLIN

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Buflovac 500 gal. Autoclave, 1000 PSI.
S.S. Spray Dryer, 6'x9', complete.
Robinson Rotary S.S. Sifter, 20"x30".
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Ross 12x30 HY-Speed 3 Roll Mill, water cooled, 20 HP motor, late model.
Shriver 36" Jktd. Iron Filter Press.
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Lab. 4"x8" New Hy-Speed 3 Roll Mill.
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Chemical Consultants

—Continued from page 7

of such services was 12.5 percent by management, 25 percent by research, 50 percent by the two divisions in collaboration, and 12.5 percent by legal and engineering.

Only 1 percent of those responding felt that a consultant violated the ethics of his profession by advertising otherwise than with display copy which was approved by but 80 percent, and promotional letters, which got 85 percent support. Eighty percent of the responders were impressed by the promotional efforts of consultants. Only four said that they could name a consultant whose promotional efforts were not in keeping with his professional ethics. Every responder was in favor of the publishing of technical articles by consultants, but some urged that the wishes of his clients be the controlling factor.

It was Mr. Slawter's recommendation that the association develop a good promotional program directed, first, to the chemical and related industries, and then to the public as a whole, backed by able guidance and budgeted to provide a competent staff and adequate distribution.

As usual, there was a deal of confusing of publicity-seeking and self-promotion with public relations, and the floor discussion brought out much disagreement with Mr. Slawter's opinion that the professional card did no good. But, there was a general agreement that a program of public relations should be developed. The suggestion was made that the members of the association be polled to construct a pattern. Another suggestion concerned assessments for financing a program. The point was made by several speakers that the fees of a consultant do not enable him to do more than professional card advertising.

A pertinent point brought out in the discussion was that of confidence. It was said that specific information could seldom be made public and that generalities had to suffice. Stress was laid also on the real need for consulting service which lies with smaller companies.

In the course of the business meeting, the retiring president, Percy E. Landolt, reviewed the year's affairs of the association and pronounced them satisfactory. He reported that the association now has 118 members, ninety-eight of whom are active. He also told of the visit to the laboratories of the Foster D. Snell organization, which is being arranged for some time in January.

New Officers Inducted

The following officers, chosen by the members in a mail balloting, were inducted at the meeting:—

President, Erwin Di Cyan, director of Di Cyan & Brown, New York; vice-president, Earl D. Stewart, director of research, Schwarz Laboratories, Inc., New York; treasurer, Robert S. Aries, R. S. Aries & Associates, New York; and secretary Albert P. Sachs, New York.

Councilors elected for three-year terms were Charles L. Mantell, New York; Nicholas M. Molnar, Molnar Laboratories, New York; Maurice S. Sage, Sage Laboratories, Inc., New York; Frank A. Strauss, Barsky & Strauss, Inc., New York, and Lincoln T. Work, New York.

Chlorine Conference Nov. 3

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ground supplies amount to only about six months' consumption as against a year's supply normally.

Sulphuric Acid Exempted

The allocation program suggested would extend only to the sulphur and not to sulphuric acid. The NPA doesn't have the manpower even to attempt to allocate sulphuric acid because of its many uses and will not allocate except as a last resort. Even during the last war the country was able to get by without putting the acid under allocation.

Officials of NPA report that the imbalance between sulphur supplies and demand is not a very large percentage of the total supply, but is just enough to prevent the accumulation of stocks so as to build up the stockpile. They feel that a curtailment of exports and a screening of orders by the suppliers would go a long way towards relieving the situation. However, they recognize that the producers are under tremendous pressures and an allocation program would go a long way toward easing their problems.

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them by the amount of any priority orders submitted by the purchaser.

Specific Commodity Changes

Prices edged up this month along a wide front. The most important ones were bearings, benzol, brass, butyrate, cadmium, chemicals, containers, cotton, dyestuffs, electrical equipment, fuel oil, pig iron, machinery, paper, plastic moulding, rubber, steel products, textiles, tin, tungsten.

A few were down—used cars, building materials, some clothing, food products, some lumber.

Hard to get were alkalies, aluminum, brass, cadmium, cement, containers, copper, better grades of lumber, nickel, pipe, soda ash, steel, tin, wire, zinc.

Canada

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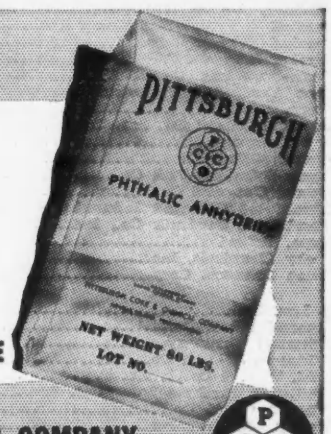

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